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Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 154 No. 9 August 30, 1948

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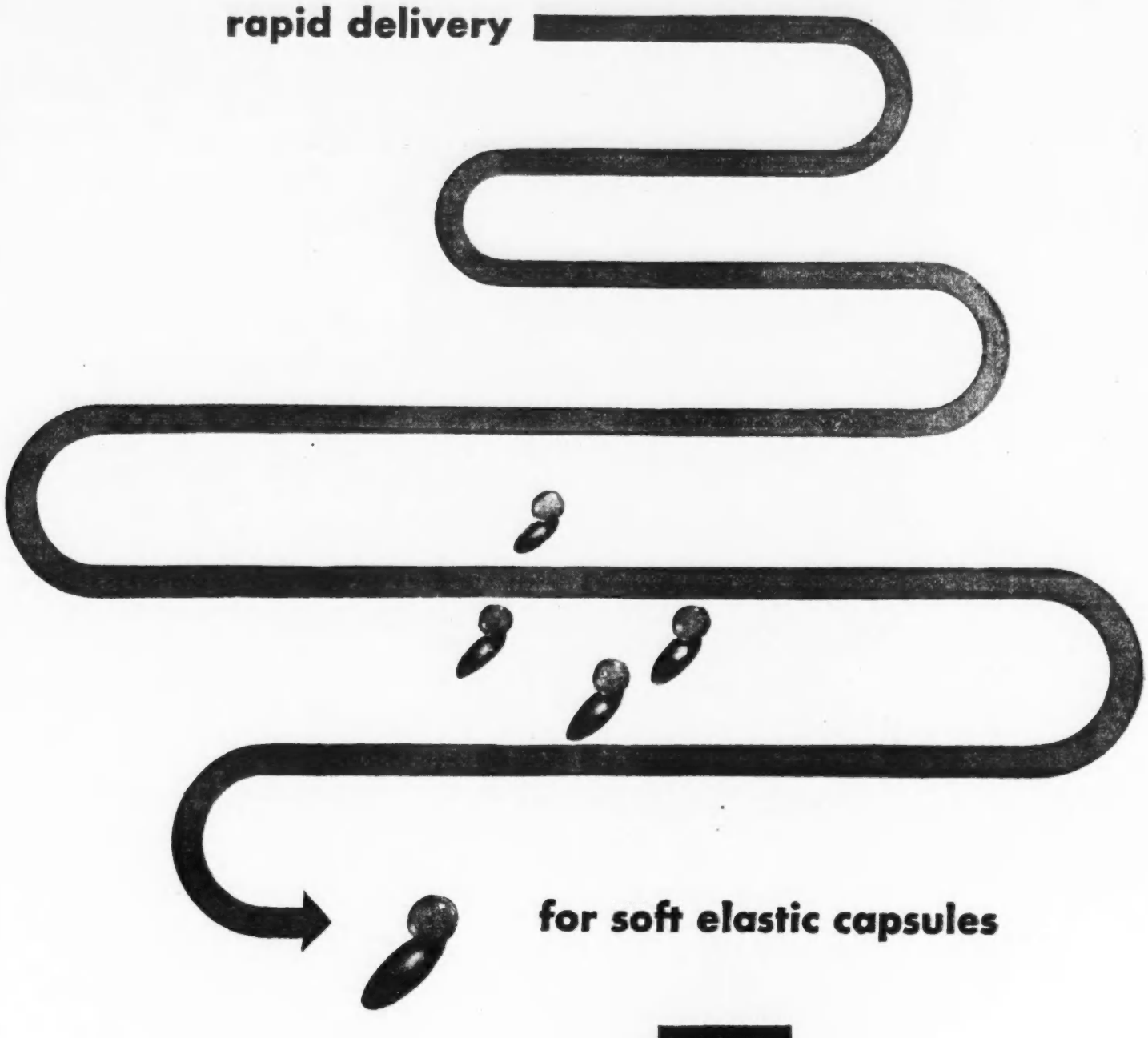

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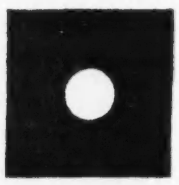
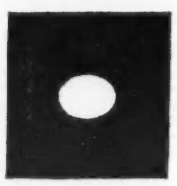
3 and 4 minim round capsules 

3, 5 and 7½ minim ovals 

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Oil, Paint and Drug Reporter

AUG 30 1948

Volume 154 No. 9 — New York 7, N. Y. — August 30, 1948

Linseed Oil, Flaxseed Declared Surplus Items

All purchases of linseed oil and flaxseed by Marshall plan countries with dollars made available to them by the Economic Cooperation Administration will have to be made in the United States as a result of a decision by the Department of Agriculture, August 24, placing these products on the surplus agricultural product list.

The action, which was not announced immediately, was taken in accordance with provisions of the ECA act requiring the department from time to time to determine what products of agriculture are in surplus supply in the United States. Under Section 112 of the Act, when such a determination has been made, the ECA can no longer make funds available to Marshall plan countries for purchase of the products elsewhere, except under very limited conditions.

The action was but one phase of the problem facing the department on flaxseed and its products which has been growing in importance because of buyer resistence to high prices in face of large prospective supplies. Withdrawal of the crushers from the market because of the refusal of the department to support the price of linseed meal, forced the department to announced August 23 that the Commodity Credit Corporation is buying and will continue to buy flaxseed at support prices.

It was understood, however, that the CCC offer to purchase was on an f.o.b. warehouse basis which meant that the warehouses had to absorb the dockage and shrinkage. The industry is insisting

—Continued on page 74

Army Selling Anhydrous Ammonia at Going Price

Sales of anhydrous ammonia by the Army to producers of sulphate of ammonia authorized by the Department of Commerce to make such purchases are being made at the market price at each of the Army's three producing plants, according to information made available by the Army.

Under existing law, the Army is directed to make available 10 percent of its anhydrous ammonia production to ammonium sulphate producers to meet the domestic shortage of this material. Distribution of the material is under the direction of the Department of Commerce and the first allotments to four producers were announced by the department ten days ago.

FTC Price Policies Probe Starts Sept. 15

The advisory council of the senate committee on trade policies headed by Senator Homer E. Capehart of Indiana will hold its first meeting September 15. The council was set up to assist the committee in its studies of the effects of the Federal Trade Commission's pricing policies as interpreted by the court in the Cement and Morton Salt Cases.

The committee itself will hold public hearings beginning some time this coming November.

Price Trend Turns Upward

Price changing was more prevalent last week in the markets for chemicals, oils, and drugs. It operated in both directions and in most of the divisions. Numerically there were more reductions than advances; but, because vegetable oils got on the upside, the weight of the changes was there. Heavy chemicals, botanical drugs, and fertilizer materials also were moved to higher averages. Essential oils and other aromatic materials went still lower, and cuts were made in corn and egg products. The net result was a rise of 0.4 point in the general average.

Coconut, soybean, and tung were the upped oils. The major items among the advanced chemicals were ammonium, aluminum, and copper sulphates. Oxalates also were raised. Menthol, eucalyptol, geraniol, citronellol, and four other aromatic derivatives went down along with four aromatic oils. The spice trend was upward. All corn products were reduced; so were potato and wheat starches, copals and dammars, lecithin, egg white and yolk, and imported casein. Chloropicrin was reduced; dibutyl sebacate was advanced. Mandrake root and podophyllin were advanced; cascara sagrada was reduced.

Even in oils and fats trading was light and sporadic: the filling of immediate needs was still almost the only incentive. Operations in most chemical-consuming industries are still "on vacation" to an extent. There are predictions that production will be kept down in some lines to keep prices up. Supply is getting ahead of demand for a number of heavy materials, even soda ash. This is not yet true of caustic soda, and far from true of phosphates and oxalates.

Some more prices of metallic salts have been added to the list on which prices will be advanced September 1. Predictions of advances October 1 in other lines of heavy chemicals are being made; some of them by relevant producers. Easing is expected in the tight coaltar areas; so prices are being held in spite of higher costs. There will be some advances in phenol early in September, other basic compounds also may be advanced.

OPD Price Index

The OIL, PAINT, AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Aug. 27, 1948	Aug. 20, 1948	Aug. 29, 1947
144.3	143.9	139.4

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the inter-war period.

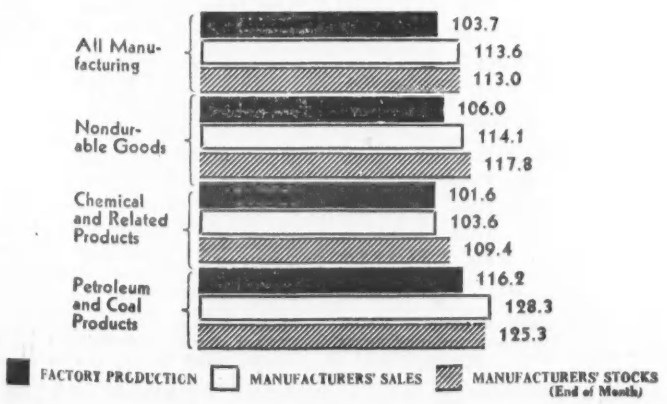
OPD Index Monthly Averages

	1948	1947	1946	1945	1941
January	150.4	150.9	135.3	133.0	107.8
February	147.2	151.9	135.4	133.2	110.3
March	146.2	154.9	135.2	132.7	111.9
April	146.2	152.3	134.9	132.2	115.5
May	146.7	149.1	135.1	132.5	118.2
June	147.3	143.9	135.4	132.5	121.9
July	145.9	142.5	137.7	133.5	125.5
August	144.4	140.4	136.6	133.9	123.2
The year	*146.9	147.6	138.8	133.3	123.2

* Eight months.

Business in June, 1948

100=Same Month in 1947



Manufactured Soda Ash Export Regulations Relaxation Expected

A relaxation by the Office of International Trade of some of the controls over exports of manufactured soda ash may be possible in the near future as a result of the improvement of the supply outlook for this material. Natural soda ash is now being licensed for export on an open-end basis; that is, no quota is established for this material nor any timetable fixed for the filing of license applications, and it is probable that the same treatment will be extended to the manufactured ash.

Problems connected with the licensing of soda ash and caustic soda for export were conisdered at a meeting in New York of the special task committee of the alkali export advisory committee set up recently by OIT. The meeting was presided over by Charles B. Concannon, chief of the chemicals and health products branch of OIT.

It was agreed by the group that the licensing personnel of OIT is expected and should be encouraged to exercise judgment in selecting alkali export applications for approval. It was concluded that over and above documentary evidence submitted to prove validity of transactions, qualitative judgment should be exercised in validating licenses which best advance the interest of this country. A tremendous volume of license applications, many of which are almost identical in formal aspects, necessitated such a recommendation, it was stated.

It was also recommended that OIT establish definite and relatively low cut-off prices to be arrived at by adding specified margins to manufacturers' published prices for caustic soda and soda ash. No applications would be licensed above these cut-off prices.

The group held the domestic consumers of alkalies responsible, through their selling of inventories in the speculative market, for many recent difficulties of the industry. It also predicted increased supplies of alkalies and continuing downward trend in prices and advocated continued close scrutiny on the part of OIT in order that material reaches foreign purchasers for essential uses. The sub-committee credited OIT with bringing about the sharp decline in prices of alkalies from the high speculative level that prevailed at the beginning of this year.

Mr. Concannon expressed himself as gratified at the various specific recommendations made by the group to aid both government and industry in furthering licensing objectives and eliminating the speculation which has been going on in the export of alkalies. The findings and recommendations of the group will be presented to Department of Commerce officials for final action and it is hoped that a revised procedure can be announced in the near future. Such procedure would be applicable to fourth quarter licensing in as much as third quarter licensing is now in progress.

Surplus Materials Rules To Be Eased by D. of C.

Present restrictions on the reimportation into this country of surplus materials and products sold abroad by the Office of Foreign Liquidation Commission are to be liberalized, it was announced August 24 by Secretary of Commerce Charles Sawyer.

Government agencies charged with the administration of the surplus property act of 1944 have been interpreting the law to prevent the importation of all surplus property sold abroad except that which was "in critically short supply and urgently needed" for reconversion. John R. Steelman, assistant to the President, has suggested that the criterion "urgently needed for reconversion" be changed to read "urgently needed in the domestic economy."

Commodities would be classified as being "in critically short supply" whenever one or more of the following conditions prevail:—

(1) Producers of the commodity, or comparable commodity, are generally not able to meet the total demand for the commodity within normal lead-times; or

(2) The commodity is made predominantly of materials in critically short supply, and a substantial part of the value of the commodity is represented by the value of such materials; or

(3) The going market price for the commodity, or comparable commodity, has risen since June, 1946, substantially more than the average wholesale price of all commodities.

Application of the new liberalized rule would be terminated immediately if found to have the effect of developing importations so large that they are causing serious injury to domestic producers.

The determination as to those surplus products which may be reimported is to be made by the Department of Commerce. The department will make its recommendations to the Secretary of State for inclusion on the permitted list of the Office of Foreign Liquidation Commissioner (Schedule A of FLC Order 6).

There are now about ten classes of products on the list, including steel shipping barrels, drums and pails, compressed gas cylinders, burlap bags and certain types of road and excavation equipment. This list is now expected to be enlarged considerably to include raw materials and fabricated products that can meet the test of "urgently needed in the domestic economy." Included in this category would be industrial equipment largely composed of critical materials, such as iron, steel and non-ferrous metals.

Linseed Cake Emergency Allocations Announced

Emergency allocations of 5,000 long tons of linseed cake or meal to France, 5,000 long tons to the Netherlands, 4,000 long tons to Denmark, and 1,000 long tons to Norway were announced Tuesday by the Department of Agriculture. The linseed cake or meal is to meet established needs in the respective countries, it will be supplied by commercial agencies, and is intended for August-December shipment.

The Department also announced that the following emergency export allocations all for commercial procurement, were approved during the week ended August 20:— 418,000 pounds, fat content, of soap allocated to Gold Coast, British West Africa; 330,000 pounds of linseed oil allocated to Austria, and 20,000 pounds of margarine allocated to the International Children's Emergency Fund for Arab-Israeli child-feeding programs.

Fair Trade Law Applies To War Surplus Products

The rights sanctioned by fair trade laws extend to the resale of war surplus trademarked commodities purchased from the War Assets Administration, according to a decision by Judge Thomas M. Foley of the Superior Colurt of California.

Judge Foley's ruling came as he granted an injunction to restrain Benatar's Cut Rate Stores, San Francisco, from further violation, in their sale of Dr. Lyon's tooth powder, of the fair trade contract of Sterling Drug Inc., New York.

The drug company had instituted the action against Benatar's to restrain the latter's sale of Dr. Lyon's tooth powder at prices below the minimum retail prices stipulated in the company's fair trade contracts in California. Benatar's had claimed that the material it was selling was war surplus merchandise and that such merchandise did not come within the fair trade contract.

Noting that "the dominant question presented for decision here" is whether "the rights sanctioned by the California Fair Trade Act extend to the resale of 'war surplus' trademarked commodities purchased from the War Assets Administration," Judge Foley said that "careful consideration compels an affirmative answer to this question."

Oil Quotas: July-Sept.

Country quotas for petroleum products for the third quarter of 1948 were announced last week by the Office of International Trade. The total third-quarter quota for all petroleum products is 14,575,000 barrels which is 676,000 barrels greater than the corresponding total quota for the second quarter.

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Oil Needs of Military Cut 4,880,000 Barrels

A reduction of 4,880,000 barrels in demands of the Armed Services on the domestic petroleum industry for the last half of 1948 was announced August 24 by Howard W. Page, acting chairman of the National Petroleum Council's military and government requirements committee.

The reduction was made possible by increasing the Army's liftings foreign supply points. The demand on the domestic industry is now estimated at 43,056,000 barrels, while total requirements of the services from all sources is 60,005,000 barrels, a reduction of 1,067,000 barrels from the estimates of a month ago.

A breakdown of the requirements of domestic fuels shows them to be 14,680,000 barrels of aviation fuel, including 1,377,000 barrels of jet fuel; 6,538,000 barrels of motor gasoline; 742,000 barrels of kerosene; 7,424,000 barrels of distillates; 7,809,000 barrels of Navy special fuel and 5,863,000 of other residual.

Foreign liftings are placed at 1,535,000 barrels of motor gasoline, 4,262,000 barrels of Navy diesel, and 11,152,000 barrels of Navy special fuel oil.

Koppers Names Whitehouse Chemicals Export Manager

Sam C. Whitehouse, assistant manager of the Kobuta, Pa., chemical plant of Koppers Company, Pittsburgh, has been named export manager of the chemical division's sales department, it was announced Friday by Dan M. Rugg, vice-president and general manager of the division. He will probably leave sometime this Fall for a study of markets abroad.

Mr. Whitehouse started with the Koppers Construction Company, and after nine months as a draftsman, went to the Connecticut Coke Company where he served in various capacities for thirteen years. When Koppers organized a butadiene division to operate the huge Kobuta styrene and butadiene plant for the government in 1943, he was sent there as general foreman.

From October, 1945, to November, 1946, he was loaned to the Reconstruction Finance Corporation, Office of Rubber Reserve, being made styrene production manager and assistant production manager of the entire program of ORR. When Koppers bought the styrene facilities at Kobuta in November of 1946, he became assistant manager of that plant.

Ethyl Corp. Making Benzene Hexachloride

Benzene hexachloride is now being produced at the Ethyl Corporation plant in Baton Rouge, La., for sale to insecticide manufacturers. Full-scale or experimental use of benzene hexachloride is reported not only against such cotton pests as the boll weevil, aphid, leafworm and thrip, but also against insects of poultry and livestock, and against grasshoppers. Poisoning of locusts in South America and Africa with benzene hexachloride mixtures has been reported, according to the company.

Esso to Build Plant To Produce Greases

Esso Standard Oil Company is planning construction of a new plant at its Baltimore refinery for the production this Fall of lime soap greases by a continuous process.

Employing lime, animal or vegetable fats and oil, the process for making this grease speeds up grease-making, provides for more economical use of fatty ingredients and provides a more uniform finished product, according to company engineers.

Thompson, Weinman Names Beavers Sales Vice-President

G. Willis Beavers has been appointed vice-president in charge of sales for Thompson, Weinman & Co., manufacturer of materials for the protective coatings industry, Cartersville, Ga. He succeeds Holland W. Smith who recently resigned to form his own firm. Mr. Beavers started with Thompson, Weinman in 1936, and prior to this recent appointment was manager of production in Cartersville.

Obituaries

Lyle M. Geiger

Lyle M. Geiger, director of research for the Neville Company, Pittsburgh, was drowned August 19 while fishing in a mountain stream near Grants Pass, Oregon. He was thirty-five years old.

A chemical engineering graduate from Lehigh University, Bethlehem, Pa., Mr. Geiger joined Neville in 1936 and was named director of research eight years later. For the past year and one-half he had been located in Los Angeles in charge of the company's West Coast operations. Mr. Greiger was a member of the American Chemical Society, the Pittsburgh Paint and Varnish Production Club, the Los Angeles Rubber Group and the Chemists Club of New York.

Lyle M. Geiger

Edward M. Denike

Edward M. Denike, a director of Church & Dwight Company, manufacturer of bicarbonate of soda, New York, died recently in that city. He was eighty-seven

—*Continued on page 55*

Emery Industries Appoints Brown Chemical Sales Head

Robert F. Brown has been named chemical sales manager for Emery Industries, Inc., Cincinnati, succeeding C. W. Sampson, who has been assigned to head the newly formed export department. Mr. Brown will handle all domestic sales of fatty acids, fatty acid derivatives and other products.

The company also has appointed John M. Archiable, formerly plant superintendent, to the post of works manager. He has been with the company since 1930. Robert Bruch will succeed Mr. Archiable and will have as his assistant Milton Shear.

Robert A. Behrman has been appointed to the company's sales service department. He is a recent graduate of the Harvard School of Business Administration.

Oil Tankers Steel Quota Hearings Set for Aug. 31

Public hearings will be held tomorrow by the office of industry cooperation of the Department of Commerce on a proposed voluntary plan for the allocation of 40,380 tons of steel products monthly for production and repair of oil tankers. The allocation would run for the four months of October through February.

OIT Rules Revised

Effective August 25, the Office of International Trade amended its regulations to permit exports under GLR procedure of commodities on which drawback is allowed by the Bureau of Customs. The liberalization of the regulation applies to those products which fall within subsection (c) of section 313 of the Tariff Act of 1930 which provides as follows:—

"Upon the exportation of merchandise not comforming to sample or specifications upon which the duties have been paid and which have been entered or withdrawn for consumption and, within thirty days after release from customs custody, returned to customs custody for exportation, the full amount of the duties paid upon such merchandise shall be refunded as drawback, less one percentum of such duties."

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Shell's Ethyl Chloride, Alcohol Plants Opened

The Shell Chemical Corporation, New York, announced last week that a new plant has been erected at Houston, Tex., for the production of ethyl chloride, and that its plant at Houston for the manufacture of synthetic alcohol and other products has been completed with full scale production due in the near future.

Research and development work for the production of ethyl chloride at Houston was carried out by the Shell Development company at its laboratories in Emeryville, Calif. The process utilizes ethylene as its raw material. The product, large-scale delivery of which is expected in about four weeks, is presently employed as a chemical intermediate in the manufacture of plastics and in other fields. Shell expects wide industrial application with increased availability.

The company's synthetic alcohol will be offered as a proprietary solvent under the trade name "Neosol" and in standard specially denatured grades approved by the government.

Binney & Smith Appoints Davidson to New Post

Clement O. Davidson has been appointed assistant sales manager of the carbon black division of Binney & Smith Company, New York, according to Jack Hamilton, assistant to the president and sales manager of the company. Following graduation from Yale University in 1933, Mr. Davidson joined the Standard Oil Company of New Jersey and then became associated with Binney & Smith sales department in 1936. He was in the Navy from 1941 until 1945 when he rejoined the company.

Di-Isobutyl Ketone Price Reduced 25% by Carbide

Carbide Carbon Chemicals Corporation has reduced the price of disobutyl ketone, 25 percent as a result of expanded production of this solvent. The new f.o.b. price level of 12½ cents per pound in tankcars, 14 cents in drum carlots and 14½ cents in less than carlot quantities makes available to industrial consumers a low cost solvent with properties that heretofore were available only at higher levels, it was indicated.

Steele Forms Own Firm

Ben P. Steele, who resigned July 31 from the Pennsylvania Salt Manufacturing Company, Philadelphia, has organized the Ben P. Steele Company at 62 William street, New York, to engage in the domestic sale and export of industrial and agricultural chemicals and insecticides. The telephone number is WHitehall 3-0370.

For many years Mr. Steele supervised sale of caustic soda, chlorine and other chemicals in the Philadelphia office of Pennsalt. During the past year he was in the New York office engaged in the company's export activities.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence Division of the United States Department of Commerce, include the following, which are available from the division at $1 for a list for any one country:—

Chemical importers, dealers—Greece.
Ice plants—Iraq.
Match manufacturers—Colombia.
Medicinal & toilet preparation importers, dealers—Dominican Republic.
Naval store importers, dealers—Newfoundland.
Paint and varnish manufacturers—India.
Synthetic organic chemical manufacturers—Colombia.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Carbazole.
Cobefrin.
Diachlor.
Diphenylethylenediamine.
Diphenylheptadecyl ketone.
Guar gum.
Mazak 3.
Methylcyclohexanone.
Phenetidin hydrochloride.
Phenyl isopropylaminosulphate.
Sodium phospho-aluminate.
Sodium tetrathionate.
Thebaine.
Urea-isogamma acid.

ECA Announces Additional Procurement Authorizations

Procurement authorizations granted to Marshall plan countries by the Economic Cooperation Administration reached a total $1,245,798,925 on August 26. The total included authorizations amounting to $47,477,236 which had been made since August 18, date of the last cumulative report.

Included in the new authorizations were the following (source of the material is the United States unless otherwise shown):—

To Austria—$22,000 for sodium pentothol; $1,424,100 for copra from the Philippines; $300,000 for fried whole eggs; $150,000 for carbon black and $31,000 for cattle hides.

To Bizone Germany — $4,050,100 for copra from Netherlands East Indies; $162,000 for crude petroleum from Venezuela, and $563,000 for crude petroleum from Iran.

To Denmark—$27,500 for babassu expellers from Brazil; $84,000 for babassu cake from Mexico; $158,800 for cottonseed cake from Brazil; $110,450 for cottonseed cake from Paraguay; $202,600 for copra expellers from the Philippines; $188,100 for cottonseed meal from Brazil; $75,000 for linseed meal from Uruguay; $24,300 for sunflower seed cake from Uruguay; $179,900 for sunflower seed expellers from Uruguay; $20,000 for sunflower seed cake from Paraguay; $42,500 for cottonseed cake from Paraguay; $26,250 for peanut meal from Brazil, and $17,000 for peanut cake from Uruguay.

To France — $210,000 for powdered milk; $1,392,500 for copra from the Philippines; $393,000 for petroleum coke; $30,600 for China bristles; $1,743,750 for dried whole milk; $2,300,000 for crude oil from Venezuela; $832,400 for lead from Mexico; $330,700 for linseed meal, and $1,260,000 for crude oil.

To Greece—$850,000 for nitrogen fertilizer from France; $1,050,000 for chemicals; $585,000 for nitrogen fertilizer; $476,000 for linseed oil; $485,300 for motor gasoline, diesel oil and light fuel oil from Saudi Arabia, and $864,000 for medical and surgical supplies.

Dow Shifts Sales Staffs Of 2 Important Divisions

Joseph A. Cavanagh, manager of agricultural chemical sales, and John A. Panter, manager of industrial chemical sales, have retired from their duties as division heads of Dow Chemical Company, Midland, Mich., according to Leland I. Doan, director of sales. Both will be retained by Dow as consultants to the divisions they served.

William W. Allen, formerly head of the technical service and development division, has been named to succeed Mr. Cavanagh, and Dr. Luther S. Roehm moves into Mr. Allen's position as technical service manager.

The industrial chemicals division has been separated into three sales divisions under separate managers. The new units are the solvents division, under the supervision of Louis P. Butenschoen; heavy chemicals division under James W. Harris, and alkalies division under Kenneth M. Wildes. The Dowicide division, formerly a part of agricultural chemical sales, becomes a division in its own right under William A. Melching.

Mr. Cavanagh began his career with Dow in 1909 as production superintendent of the insecticides division. In the early twenties he became assistant sales manager in charge of insecticides and agricul-

—Continued on page 38

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with OPD office.

Caustic soda, Recife, Brazil (CI-2); (CI-3).
Chemicals, Recife, Brazil (CI-2); (CI-6, agency); Sao Paulo, Brazil (CI-4).
Diacetone alcohol, Sao Paulo, Brazil (CI-5, agency).
Dyes, Recife, Brazil (CI-2, agency).
Fats and oils, animal, Hude, Germany (CI-7).
Methyl isobutyl acetone, Sao Paulo, Brazil (CI-5, agency).
Methyl isobutyl carbinol, Sao Paulo, Brazil (CI-5, agency).
Milk powder, Recife, Brazil (CI-2, agency).
Perfumes and flavors, Recife, Brazil (CI-2, agency).
Pharmaceutical products, Sao Paulo, Brazil (CI-4); Recife, Brazil (CI-2, agency); (CI-6, agency).
Rosin K, Santos, Brazil (CI-1).
Solvents, Sao Paulo, Brazil (CI-5, agency).
Streptomycin, Recife, Brazil (CI-2).
Vitamins, Sao Paulo, Brazil (CI-4).

P.A.'s-Eye View of Business

Composite view, August 29, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents

Purchasing agents report that general industrial business this Summer has maintained the gains made from March to June, but has leveled off on that high plateau and now shows some indications of a downward trend. Production is slightly off from June, largely reflecting the vacation shutdowns which are more prevalent than in past years. Backlogs of orders, which started to grow in April, have shown no increase since June, although supported by more intensive and aggressive sales efforts. Commenting on the reasons for this situation, purchasing executives mention prices as being too high, greater availability of many noncritical items, agricultural market weakness, and the lack of any incentive for forward buying beyond known requirements.

Basing-point pricing changes came in for much discussion in the reports. It is apparent that more business is adversely affected than helped by the switch to f.o.b. shipping point. Many hold the opinion that the real effect of eliminating basing-point pricing cannot be measured until the commodities involved are distributed under more competitive conditions.

The overall business picture is still good, but future developments seem less certain.

Commodity Prices

The sharp upswing in prices, following the Summer wave of wage increases, covered more materials and had effect on more business than in any period since price-decontrol. Some prices advanced beyond the amount justified by the immediate wage increase, indicating a passing along of accumulated cost increases from freight-rate and price adjustments. Buyers point to growing public price resistance—products being priced out of the markets—and look on this last upsurge of prices as creating an unstable and top-heavy price structure. Bumper crops here and abroad can further reduce prices of sensitive farm products and may have an influence on other markets.

Inventories

The tendency is to "live off the fat" where any fat exists. The trend to build up stocks, reported in May and June, has been reversed as more purchasing agents report inventory reductions. Critical materials inventories cannot be built up. Others, in easing supply, need not be carried beyond balanced requirements, in view of high prices. Today's sixty-day can become tomorrow's ninety-day suppty rather quickly. Purchased materials inventories are not considered too high for current production schedules.

Buying Policy

Only those requiring commodities and equipment having a longer leadtime for production schedules have a policy of over ninety days. The buying policy trend is definitely changed to thirty to sixty-day commitments, as compared to the previously reported movement toward ninety-day commitments. High prices, which many believe have reached a leveling-off place, with back orders slowing down and production growth seemingly halted, support the restricted inventory policy and shortened future coverage of buying policy. More need for caution is repeatedly expressed in the reports.

Specific Commodity Changes

The longest list of price increases ever reported in one survey period followed the price raises in basic commodities:—Steel, coal, copper, lead, zinc, and tin. The entire list is too long for publication in this report; only the materials in most general use are listed. Contrary to general belief, all prices have not increased. A substantial number of important commodities have shown declines.

Up were:—Abrasives, automotive, aluminum, bearings, copper and brass, cadmium, cellophane, cement, cigarets, coal, coke, electrical equipment, firebrick, graphite, iron, steel, lead, machinery and repair parts, office furniture, opticals, phenol, printing, pumps, refractories, rubber products, sulphuric acid, tin, tools, valves, wire, wood pulp, zinc and zinc products.

Reported down:—Alcohol, air hose, poorer grades of coal, vegetable oils, grains, sugar, hides, leather, Southern pine, Douglas fir, mercury, synthetic resins, screw-machine products, shellac, silver, soap, stearates.

In tight supply:—Aluminum, boxcars, building materials, cadmium, cement, chromic acid, copper, pig iron, scrap lead, nails, nickel, pipe, steel, steel drums, tin, zinc.

Easier to get:—Coal, containers, fuel oil, gasoline, air-dried lumber, paper, paraffin wax, soda ash.

Employment

Payrolls climbed a little in August, with important strikes out of the way, plus some seasonal employment increase. Skilled help is short in several areas. Many small plants are reported on short time. A pickup is noted in textile activity.

Canada

Production is holding to high levels; back orders slightly down, as in the United States. Prices are up, withdrawal of government subsidies being a factor. Inventories being maintained; employment up; buying policy thirty to ninety days, with the target about sixty days.

Washington Talks It Over

At long last Uncle Sam has decided to do something to let the masses of Europe know that the relief they are getting is chiefly of United States origin and not from Russia as the communists so frequently claim. Hereafter all products moving out of the country under the Marshall plan will carry an emblem bearing the phrase:—"For European Recovery, supplied by the United States of America."

The phrase will appear, wherever practicable, on shipping cases, boxes, crates, barrels, bales, bags, and other packaging, as well as on the goods themselves. For those who can't read English the origin will be made apparent through use of an emblem designed as a shield composed of four white stars on a blue background above thirteen verticle red and white stripes.

The order to all suppliers of Marshall-plan goods to use these markings on the products has just gone out in an obvious attempt to combat communist propaganda in Europe. It has been too easy for the communists to claim credit for the relief pouring into Europe by simply telling the masses that the goods are coming from Russia. During the UNRRA days it was a well-known practice of the communists to place markings on the goods indicating Soviet origin.

The plan to tell the world of this country's relief efforts will be all-embracing. Not only does it apply to the goods produced and shipped from the United States, but the marking procedure is to be followed on goods purchased in other countries as well.

Export Finagling Probed

One of the offshoots of the congressional spy investigations has been an investigation by FBI of asserted forgeries and alterations of export licenses. The senate investigating committee is looking into this matter also and plans to have a public airing of the irregularities about the middle of September.

The spy-investigating group got into the subject briefly at one of its recent hearings on communists. Edward P. Guinane, deputy chief of the enforcement branch of the Office of International Trade, told of some of the irregularities. Before he was shut off by Senator Homer Ferguson of Michigan, chairman, because the matter was still in its preliminary stages of investigation, Mr. Guinane mentioned caustic soda, soda ash, and machine tools among the items involved in the license irregularities.

The matter came up during committee questioning of how critical items being exported under license only to certain areas are finding their way behind the Iron Curtain to Russia and her satellites. FBI got on to the irregularities in its search for spies.

ECA Information Plan Flops

It was announced by the Economic Cooperation Administration a week or so ago that a joint program was being worked out with the Department of Commerce to keep industry fully advised on what's going on in ECA in the matter of exports to the Marshall-plan countries. Every day there was to be posted in the field offices of the Department of Commerce a list of procurements authorized by ECA, product by product.

The information was just what industry wanted. The announcement was received

—Continued on page 32

U. S. Acts to Speed Stockpiling Program

The Munitions Board last Thursday revealed a list of twenty-eight items critically needed for the nation's defense stockpile and, in a report made public yesterday, disclosed a revision of its stockpiling policy to place greater emphasis on speed in reaching its goal.

The twenty-eight materials on the 1948 third quarter procurement program will, for the most part be bought between July 1 and October 1 for delivery before June 30, 1949. Purchase will be from the board's current $300,000,000 appropriation.

The list which follows includes the entire amounts that it is now anticipated will be purchased from July 1, 1948, to June 30, 1949:

Bauxite, metal grade, 435,000 long dry tons; abrasive grade, 68,000 long dry tons; castor oil, 15,000,000 pounds; chromite, metallurgical, 30,000 long dry tons; columbite, 1,100,000 pounds; diamonds, industrial, stone, 350,000 carats; graphite, amorphous lump, 1,000 short tons; flake (lubricant) 500 short tons.

Manganese ore, battery, 20,000 long dry tons; metallurgical 350,000 long dry tons; mica, muscovite block, 80,000 pounds; muscovite film, 125,000 pounds; muscovite splittings, 1,000,000 pounds; phlogopite splittings, 120,000 pounds; monazite, 500 short dry tons; nickel, 15,000,000 pounds; talc block, 250 short tons; tin, 4,500 long tons.

The remaining items follow:—

Asbestos, chrysolite, 1,100 short tons; Amosite, 1,900 short tons; beryl, 250 short tons; bismuth, 100,000 pounds; cadmium, 300,000 pounds; chromite, Refr. Type A, 1,250 loads long dry tons; coconut oil, 5,000,000 pounds; copper, 30,000 short tons; cordage fibers, Manila, 6,000,000 pounds; sisal, 6,000,000.

Corundum, 125,000 pounds; diamonds, industrial, crushing bort, 100,000 carats; graphite, flake crucible, 300 short tons; kyanite, 1,000 short dry tons; lead, 16,000 short dry tons; palm oil, 7,000,000 pounds; pepper, 1,000,000 pounds; quinidine, 6,000 ounces; rubber, natural crude, 25,000 long tons; shellac, 1,500,000 pounds; zinc, 16,000 short tons.

The board will restrict the amount of copper it will buy in the normal commercial market to 30,000 tons; crude natural rubber to 25,000 tons, and industrial diamonds, crushing, bort, to 100,000 carats.

In the report of its activities for the first six months of the year, made public yesterday, the board said it planned to speed stockpiling because of the unsettled international situation.

In general, the board's policy has been to seek to reconcile the national security interest in reserve of essential materials with the national security interest in a prosperous and active economy. In this respect the board has sought to achieve a maximum rate of stockpile procurement with minimum withdrawal of scarce materials needed by private industry for reconversion. However, the board said, national security now requires accelerated stockpiling and this general policy will be implemented in these ways:

1. Transfer of materials to the stockpile from other government agencies is to be accelerated.

2. Voluntary allocations agreements are being sought with industry by the Department of Commerce under Public Law 395

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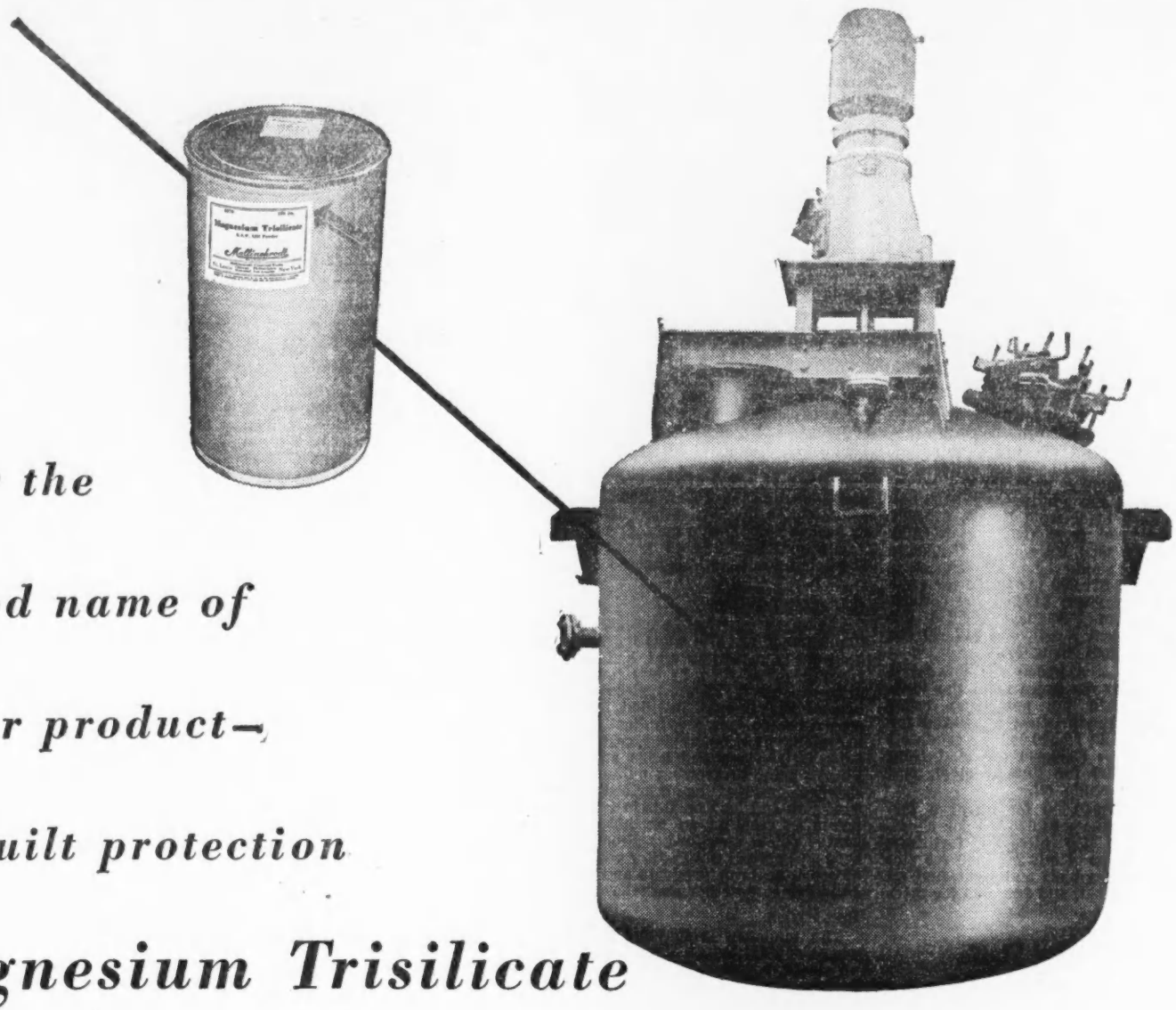
Methanol Output Underway At Comm'l Solvents Plant

Production of methanol is now underway at a new unit of the Commercial Solvents Corporation's plant at Sterlington, La. Beginning of production marks the completion of the company's $5,000,000 methanol expansion at this plant. The recently completed unit was constructed next to the anhydrous ammonia unit and additional power facilities were provided to meet the requirements of capacity production.

Methanol production is 45,000 gallons daily, far exceeding the output from the company's Peoria, Ill., plant. In 1926, at Peoria, CSC worked out a synthetic process for making methanol from natural gas, and was the first U. S. manufacturer to produce and market synthetic methanol. The Peoria plant of CSC will continue to produce methanol.

Cowles Detergent Now Cowles Chemical Co.

The name of the Cowles Detergent Company, Cleveland, has been changed to Cowles Chemical Company because its business is no longer restricted to detergents, according to an announcement by C. C. Bassett, vice-president and director of sales.



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MAGNESIUM TRISILICATE
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THREE FINE, WHITE, ODORLESS, TASTELESS, GRITLESS POWDERS

Equal in purity. Different in density or bulk.

	Powder Grade	Bulky Grade	Super Bulky
Bulk	*about 45 fl. oz. per lb.*	*about 75 fl. oz. per lb.*	*about 130 fl. oz. per lb.*
Particle Size	*37% less than 3 microns* *86% " " 20 "* *92% " " 44 "* *100% " " 88 "*	*50% less than 3 microns* *89% " " 20 "* *99% " " 44 "* *100% " " 88 "*	*100% through a 325 mesh sieve, and thus less than about 44 microns.*
Adsorptive Power	*100 mg. of Methylene Blue per gram*	*app. 200 mg. of Methylene Blue per gram*	*app. 150 mg. of Methylene Blue per gram*

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Chemical—New organic compound, a clear, water-white, mobile liquid, difficultly soluble in water, but miscible with most organic solvents, suggested for experimental use in organic syntheses.

Resins—Suggested for experimental use in resin manufacture.

Benzenesulphonylmorpholin

Adhesives—Plasticizer (U.S. 2292332) in adhesive compositions containing cellulose acetate or other cellulose derivatives.

Ceramic—Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer (U.S. 2292332) for cellulose acetate and other cellulose derivatives.

Cosmetic—Plasticizer (U.S. 2292332) in nail enamels and lacquers containing cellulose acetate or other cellulose derivatives as base material.

Electrical—Plasticizer (U.S. 2292332) in insulating compositions, containing cellulose acetate or other cellulose derivatives, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating — Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (U.S. 2292332) in coating compositions, containing cellulose acetate or other cellulose derivatives used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer (U.S. 2292332) in paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate or other cellulose derivatives.

Paper—Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic—Plasticizer (U.S. 2292332) in making films from cellulose acetate or other cellulose derivatives.

Plastics—Plasticizer (U.S. 2292332) in making laminated-fiber and molded articles, also plastic materials from cellulose derivatives.

Resin—Plasticizer (U.S. 2292332) for resin-cellulose derivative compositions and solutions.

Rubber—Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used as coatings for decorating and protecting rubber goods.

Stone — Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used in the manufacture of coated fabrics.

Wood—Plasticizer (U.S. 2292332) in compositions, containing cellulose acetate or other cellulose derivatives, used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

Tricetylpyridinium Thiophosphite

Lubricant—Starting point (Brit. 457548) in making high-pressure lubricants, die-making lubricants, and boring, drilling, cutting, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal.

Milner Heads USDA Research Laboratory

Dr. Reid Thompson Milner, one of the country's leading soybean oil chemists, has been appointed director of the Northern Regional Research Laboratory at Peoria, Ill., effective October 1, it was announced August 26 by P. V. Cardon, head of the Department of Agriculture's research administration. Dr. Milner succeeds Dr. G. E. Hilbert, who will move to Washington as chief of the department's bureau of agricultural and industrial chemistry. The present bureau chief, Dr. Louis B. Howard, recently resigned to become head of the department of food technology at the University of Illinois.

Non-Inflammable Hydraulic Fluids Sought at Cornell

The job of evaluating non-inflammable hydraulic fluids for civil airplanes has been delegated to Cornell University's aeronautical laboratory by the aircraft industry.

Oliver P. Echolos, president of the Aircraft Industries Association, said last week that development of a suitable non-inflammable fluid would be a major improvement in flying safety. Fluids submitted by various manufacturers will be tested at Cornell under uniform conditions.

Last May, the Navy announced it had developed and would use in most of its aircraft "the first successful, non-inflammable hydraulic fluid." It said the fluid would eliminate the fire hazard in petroleum-type fluids.

Carthage Speeds Work On Synthetic Oil Plant

Carthage Hydrocol, Inc., is speeding construction of its synthetic gasoline plant at Brownsville, Tex., according to G. G. Gabrielson, president.

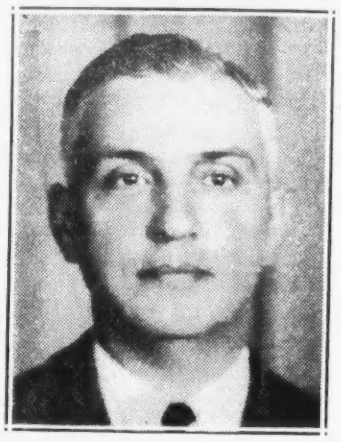
His statement last week followed announcement by the Stanolind Oil & Gas Company that it had cancelled plans for a synthetic oil and gas project at Garden City, Kans., because soaring construction prices had more than doubled its original estimated cost of $80,000,000.

The Carthage plant, which will be the first synthetic natural gas plant in the United States, has a scheduled capacity of 7,500 barrels of gasoline and diesel fuel oil.

Stanford Research Inst. Expands Its Activities

The Stanford Research Institute, Stanford, Calif., is currently engaged in research and development activities for western industry and the government in twenty-two different fields of science, Dr. J. E. Hobson, executive director, announced last week. The total volume of research is expected to reach $1,000,000 annually by 1949.

Promoted by Mich. Chemical



Earl L. Reichard has been appointed eastern manager of chemical sales for Michigan Chemical Corporation, St. Louis, Mich., succeeding William F. Green, resigned. For the past five years Mr. Reichard has been in charge of the company's export sales division and continues in this capacity in addition to his new duties.

Garthe Heads Health Service Carrier Section

The appointment of Edmund C. Garthe as head of the land and air carrier section of the sanitary engineering division of the Public Health Service was announced yesterday by Surgeon Gen. Leonard A. Scheele. Mr. Garthe, with the service since 1936, succeeds sanitary engineer director H. Norman Old who has been assigned to the bureau of medical services. The land and air carrier section is concerned with the compliance by common carriers with the requirements of the interstate quarantine regulations regarding the sanitary quality of food and water served on conveyances operating in interstate traffic.

APMA Names Committees

The American Pharmaceutical Manufacturers' Association has appointed six committees for the period 1948-49. The committees, and their chairmen, are as follows:—

Associate membership, William Barry, Mallinckrodt Chemical Works; entertainment, R. P. Neptun, S. B. Penick & Co.; golf, Floyd Thayer, Abbott Laboratories; ladies entertainment, Charles F. Miles, Ames Company; tennis, Robert L. McNeil, McNeil Laboratories, Inc., and memorial, George R. Flint, Flint, Easton & Co.

Additional appointments to those previously named are Herbert C. Stecker, Edwal Laboratories, and H. D. Ratisch, Brewer & Co., to the scientific committee; Joseph C. Hearn, Brewer & Co., to the export committee and also to the industry and business policy committee, and Dr. Paul C. Martin, Brewer & Co., to the medical section.

Justice Dept. Describes Small Business Section

An outline of the work of the small business unit of the antitrust division of the Department of Justice was given to representatives of twenty national small business organizations by Herbert A. Bergson, Assistant Attorney General in charge of the division, at the opening of a two-day conference in Washington on August 25 and 26.

Also attending the conference were Senator James E. Murray of Montana, ranking minority member of the senate committee on small business; Peyton Ford, assistant to the Attorney General; staff members of the small business committee of the house, and staff members of the Department of Justice handling small business matters in each of the field offices.

Mr. Bergson explained that the small business unit is not a prosecuting or litigating arm of the Department of Justice but is a negotiating agency. A great deal of its work, he said, has been finding sources of supply or materials for little enterprises.

"Since the war, shortages of both raw materials and manufactured products have rendered the successful conduct of small business more difficult," he stated. "Today, unfortunately, the continuing trend toward economic concentration threatens the very existence of large segments of the small, independent enterprise of the country.

"The threat to small business is also evidenced most forcibly by shortages of raw materials, particularly in those industries in which large manufacturers have integrated their operations by acquisition of sources of raw materials and by the elimination of independent distribution outlets.

"During the last two years, the greater percentage of complaints received by the small business unit have been in the field of supply. Accordingly, our work has been largely devoted to obtaining recognition for new small business without past purchasing records and the reinstatement of small concerns upon the customer lists of the larger companies.

"This work has been made difficult because of the general use of the historical record of purchases as the basis of the allocation to customers of items in short supply. This method of customers selection has operated to the great disadvantage of small concerns, and particularly of veterans seeking to establish themselves in new businesses."

Senator Murray commented on the increasing concentration of economic power and stated that "unless effective action is taken immediately, big business, with its great financial and political power, will take over the entire industrial life of our country."

Celanese Ships Chemicals From Tex. Plant by Tanker

Celanese Corporation of America, New York, announces the completion of tanker facilities for the shipment of bulk chemicals from its chemical plant at Bishop, Tex., to the eastern seaboard. This tanker service combines modern marine equipment with new chemical control technique and represents the first tanker movement of bulk formaldehyde in the country.

Continuous service will be maintained between Corpus Christi, Tex., and New Haven, Conn. Between 50,000,000 and 60,000,000 pounds of chemicals are expected to go to the east by the new water route every year. The corporation will continue to use railway tank cars for chemical shipments, principally to the West Coast.

Large storage tanks have been installed at New Haven and Corpus Christi. The New Haven terminal alone will have storage facilities for more than 7,000,000 pounds of both uninhibited and inhibited formaldehyde. Through this terminal the corporation will supply customers within a 250-mile radius by using a fleet of insulated trucks.

ADMA Sections Change Meeting Date

The medical section and the legislative section of the American Drug Manufacturers' Association have postponed their scheduled meetings at Hot Springs, Va., until November 4 and 5. Arrangements previously had been made to hold the meetings November 1 and 2, but so as not to inconvenience members wishing to vote in the national election if was decided to delay the meetings until later in the week.

Association Meeting Dates

Agricultural Insecticide and Fungicide Association, Essex and Sussex hotel, Spring Lake, N. J., September 7-9.

American Association of Textile Chemists and Colorists, Augusta, Ga., October 21-23.

American Chemical Society, national meeting, eastern session, Washington, August 30-September 3; midwest session St. Louis, Mo., September 6-10; western session, Portland, Ore., September 13-17.

American Gas Association, Atlantic City, N. J., October 4-8.

American Institute of Chemical Engineers, midwest regional meeting, French Lick Springs hotel, French Lick Springs, Ind., September 15-17; annual meeting, Pennsylvania hotel, New York, November 7-10.

American Mining Congress, San Francisco, September 20-25.

American Oil Chemists Society, Pennsylvania hotel, New York, November 15-18.

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, December 6-8.

American Public Health Association, Boston, November 8-12.

American Society for Quality Control, Sherman hotel, Chicago, November 4-5.

American Soybean Association, Peabody hotel, Memphis, Tenn., September 13-15.

Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 26.

Boston Conference on Distribution, Statler hotel, Boston, Mass., October 25-26.

Drug, Chemical and Allied Trades Section of New York Board of Trade, Shawnee Inn, Shawnee, Pa., September 23-25.

Federal Wholesale Druggists Association, Haddon Hall, Atlantic City, N. J., October 6-8.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 4-6.

International Congress of Industrial Chemistry, Brussels, Belgium, September.

National Association of Insecticide and Disinfectant Manufacturers, New Yorker hotel, New York, December 6-7.

National Chemical Exposition, Coliseum, Chicago, October 12-16.

National Fertilizer Association, Atlanta-Biltmore hotel, Atlanta, November 15-17.

National Government Purchasing Agents Association, Philadelphia, October 18-20.

National Paint, Varnish and Lacquer Association, Congress hotel, Chicago, November 8-10.

National Petroleum Association, Traymore hotel, Atlantic City, N. J., September 15-17.

National Plastics Exhibition, Grand Central Palace, New York, September 27-October 1.

National Safety Counsel, safety congress and exposition, Chicago, October 18-22.

National Wholesale Druggists Association, Palmer House, Chicago, October, 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 14-15.

Porcelain Enamel Institute, Urbana, Ill., October 13-15.

Synthetic Organic Chemical Manufacturers Association, fall luncheon meeting, Commodore hotel, New York, September 8; annual meeting, Commodore hotel, New York, December 8.

Tanners Council of America, Leather Show, Waldorf-Astoria hotel, New York, September 14-15.

AUG 30 1948

Vitamin E in the most acceptable dosage form

Increasing preference for administration of *high dosages* of Vitamin E presents pharmaceutical manufacturers with the important problem of supplying adequately high potencies in conveniently small dosage forms.

ALPHA-TOCOPHEROL MERCK (VITAMIN E) and ALPHA-TOCOPHEROL ACETATE MERCK provide the answer to this problem. By employing these *pure* products, you are assured of high vitamin content in dosage forms most readily acceptable to physician and patient.

Merck chemists — together with their collaborators — identified and synthesized Alpha-Tocopherol (Vitamin E) in 1938. The acetate ester, virtually identical in biological activity, was developed more recently. By using either of these materials you are making Merck experience and Merck quality component parts of your own vitamin product.

ALPHA-TOCOPHEROL MERCK
(VITAMIN E)

ALPHA-TOCOPHEROL ACETATE MERCK

MERCK & CO., Inc. *Manufacturing Chemists* RAHWAY, N. J.

New York, N. Y. • Philadelphia, Pa. • St. Louis, Mo. • Elkton, Va. • Chicago, Ill. • Los Angeles, Calif.
In Canada: Merck & Co., Ltd. • Montreal • Toronto • Valleyfield

MERCK MERCK MERCK

Current Market Quotations

Chemicals and Related Materials

August 27, 1948

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., 55 gals., works lb. .11½- .12
5 and 10 gals., works lb. .12 - .16
tanks, works lb. .09½- .10½

Acetaldol (see Aldol).

Acetamide, CP, fib, dms lb. .65 - .75
tech., fib. dms lb. .38 - .43

Acetanilide, tech., bbls., c.l. lb. .22 - —
l.c.l. lb. .23 - .26
kgs. lb. .28 - —
USP, bbls., 2,000-lb. lots lb. .40 - .50
smaller lots lb. .41 - .56

Acetic anhydride, dms., c.l., frt. alld. E lb. .13½- —
l.c.l., frt. alld. E lb. .15 - —
tanks frt. alld. E lb. .12 - —

Acetoacetanilide, bbls., works lb. .67½- —
fib. dms., works lb. .63 - —

Acetoacetorthotoluidide, bbls., works lb. .90 - —
fib. dms., works lb. .69 - —

Acetoacetorthochloranilide, bbls., works lb. 1.15 - —
fib. dms., works lb. 1.15 - —

Acetone, CP, dms., c.l., dlvd lb. .10 - —
l.c.l. dlvd. lb. .11 - —
tanks, dlvd. lb. .08½- —

Methyl (see M).

Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .50 - —
smaller containers, works lb. .55 - .60

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20

Acetophenone, cns., dms lb. 1.50 - 1.85

Acetyl chloride, cbys., works lb. .55 - .60

Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54

Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47

Acid, abietic, dms., c.l., works lb. .07½- —

Acetic, com'l or redist., 28%, bbls 100 lbs. 3.78 - 4.08
50%, bbls 100 lbs. 7.56 - 7.81
70%, bbls 100 lbs. 9.45 - 9.70
80%, bbls 100 lbs.10.80 -11.05
glacial, synthetic, CP, dms., works 100 lbs.13.50 -14.00
USP, dms., works 100 lbs.11.50 -12.00
tech., dms., c.l., works 100 lbs.10.07-11.00
tanks, works 100 lbs. 8.00 - 8.62

Acetic acid price ranges above are c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .50 - —
smaller lots lb. .51 - .64
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .45 - .50

Freight equalized, shipment identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 - 1.10

Arsenous, tech. (see Arsenic, white).

Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works 100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .53 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59

Betanaphthoic, bbls., works lb. 1.25 - 1.43

Boric, tech., 99.5%, cryst., paper bgs., c.l., frt. split ton.124.00 - —
ton lots, ex whse ton.144.80 - —
less than ton lots, ex whse ton.149.70 - —
powd., paper bgs., c.l., frt. split ton.104.00 - —
ton lots, ex whse., N. Y. or Chi. ton.124.80 -125.00
less ton lots, same basis ton.129.70 -130.00
bbls., c.l., frt. split ton.124.00 - —
ton lots, ex whse., N. Y. or Chi. ton.144.70 -145.00
less car lots, same basis. ton.149.70 -150.00
gran., bulk ton.95.50 - —
paper bgs., c.l., frt. split. ton.99.00 - —
ton lots, ex whse., N. Y. or Chi. ton.119.70 -120.00
less ton lots, same basis. ton.124.80 -125.00
bbls., c.l., frt. split ton.119.00 - —
ton lots, ex whse., N. Y. or Chi. ton.139.70 -140.00
less ton lots, same basis ton.144.70 -145.00

USP $25 per ton higher.

Broener's, bbls. lb. 1.34 - —

Butyric, 99%, dms., c.l., works. lb. .34 - —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —

Acid, cacodylic, bots. lb.12.00 -13.00
Camphoric, natural, dms lb. 6.00 - 6.75
synth., dms. lb. 5.50 - 6.00
Capric, tech., dms lb. .50 - .50½
Caprylic, 99%, dms lb. .50 - .50½
Castor oil, split, dms lb. .35¾- .36¾
Chlorosulphonic, dms., c.l., works. lb. .03 - —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½- —
Chromic, 99½-99¾%, dms., c.l. works lb. .23½- —
l.c.l., works lb. .24 - .25
Cinnamic, refd., bots lb. 3.00 - 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .27 - —
10,000 lbs., 1 ship't lb. .27½- —
kgs. lb. .28 - —

Anhydrous citric acid powder, ½c. per lb. higher.

USP, cryst., bbls., c.l lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29 - —
gran., fine gran., bbls., c.l lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26 - —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .61 - .65
Coconut oil, dist., dms lb. .27¼- .28¼
Corn oil, s.d., dms lb. .17¼ Nom.
Cottonseed oil, dist., dms lb. .17¼- .18¼
Cresylic, dom., coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works and frt. equald gal. 1.61 - —
l.c.l., same basis gal. 1.64 - —
tanks, same basis gal. 1.55 - —
Petroleum, 185°C to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 - —
l.c.l., same basis gal. 1.025 - 1.045
tanks, same basis gal. .925 - —
190°C to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 - —
l.c.l., same basis gal. .95 - .97
tanks, same basis gal. .85 - —
210°C to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 - —
l.c.l., same basis gal. .765 - .785
tanks, same basis gal. .665 - —
235°C to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .62 - —
l.c.l., same basis gal. .72 - .74
tanks, same basis gal. .62 - —
Crotonic, bbls., Canadian, works. lb. .35 - —

Acid, dichlorophenoxyacetic, fib. dms., c.l., works, frt. equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Diethylbarbituric (see Barbital).
F, bbls., works lb. 1.73 - 1.78
Folic, bots gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .14 - .15
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14½- .15
Fumaric, tech., bbls., dms lb. .30 - .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1.63 - 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 - —
smaller lots lb. 1.46 - 1.48
Gamma, bbls lb. 1.13 - 1.20
Gluconic, tech., 50%, bots lb. .23 - .31
dms. lb. .14 - —
kgs. lb. .16 - —
Glutamic-l, 99%, fiber dms., 100 lb. lots, works lb. 2.30 - 2.40
25 lb. lots lb. 2.45 - —
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .66 - —
Hydriodic, 45-47%, cbys lb. 2.52 - 2.54
57%, cbys lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .48 - —
tech., 48%, cbys., dlvd. E lb. .45 - —
34%, cbys., dlvd. E lb. .35 - .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. .80 - 1.00
dilute, NF, 2%, 5-lb. bots lb. .30 - .40
Hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½- —
30%, steel dms., works lb. .09 - —
70%, steel dms., works lb. .15¾- .16¼
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorous, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.64 - 2.66
L, bbls., works lb. .80 - .95
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 5 or less lb. .29 - .29½
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72

Acid, Laurent's bbls. lb. .80 - —
Lauric, dist., 85-90%, dms lb. .40 - .40½
60%, dms lb. .35 - .35½
Linseed oil, reg. dist., dms lb. .3200- .3250
water white, dms lb. .3500- .3550
Maleic, powd., dms lb. .30 - .31
Anhydride (see M).
Malic, dms. lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit lb. .05 - .06
sulphuric unit lb. .0085- .009
Molybdic, kgs., works lb. .95 - 1.10
Monochloroacetic, purified, flake, 99%, dms lb. .26 - .27
tech., flake, 96-97%, bbls lb. .21½- .23¼
Monosulphonic, bbls lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 -18.20
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.19.00 - —
22°, cbys. c.l., E. works 100 lbs. 2.45 - —
tanks, E. works ton.24.00 - —
CP, USP, consumers, cbys., extra lb. .08 - —
6-lb. bots., extra lb. .10 - —
dealers, cbys., extra lb. .06½- —
6-lb. bots., extra lb. .08½- —
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .20 - —
tanks, works lb. .17 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-3-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .80 - .84
Nicotinic, USP, dms., works kilo. 8.00 - 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys., c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.65
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, USP, consumers, cbys., extra lb. .13 - —
7-lb. bots., cs., extra lb. .15 - —
dealers, cbys., extra lb. .11½- —
7-lb. bots., cs., extra lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms, c.l., works lb. .67 - —
l.c.l. works lb. .69 - —
Oxalic, bbls., c.l., works lb. .13¾- .14¼
10,000 lbs., works lb. .14½- .15
smaller lots, works lb. .15 - .15¾
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., works lb. 4.00 - —
works lb. 4.00 - Nom.
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .80 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - .95
Peanut oil, s.d., dms lb. .18¼ Nom.
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.51 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.25 - 6.00
cbys, c.l., works, frt. equald 100 lbs. 5.00 - —
l.c.l., works, frt. alld., 100 lbs. 6.00 - 7.50
75%, bbls., c.l., works, frt. equald 100 lbs. 5.75 - —
l.c.l. lb. .11½- .13
cbys, c.l., works, frt. equald 100 lbs. 6.10 - —
l.c.l., works, frt. alld. 100 lbs. 8.00 - 9.00
tanks, works, frt. equald 100 lbs. 4.00 - —
NF, 85%, cbys., c.l lb. .10½- —
dilute, 10%, cbys., djns lb. .07 - .07¼
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls lb. .30 - .31
USP, bbls lb. .35 - .36
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.45 - 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse. gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.75 - 2.79
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .38 - —
USP, bbls., c.l lb. .40 - —
smaller lots lb. .47 - —
Sebacic, tech., dms., c.l., works. lb. .68 - —
l.c.l., works lb. .70 - .72

Abbreviations
Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral.
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered		
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	No.	number
		E.	east	ord.	ordinary
artif.	artificial	e.p.	end point	oz.	ounce
ASTM.	American Society for Testing Materials	equald.	equalized	Pac.	Pacific
		F.	fahrenheit	pf.	proof
		ferment.	fermentation	phos.	phosphate
Be.	Baume	ffa.	free fatty acid	photo.	photographic
bgs.	bags	ffc.	free from chlorine	pkgs.	packages
bbls.	barrels			powd.	powdered
bls.	bales	fib.	fiber	precip.	precipitated
bots.	bottles	f.o.b.	free on board	prod.	producer
b.p.	boiling point	F.P.A.	free of prussic acid	pt.	point
b.p.l.	bone phosphate of lime			pulv.	pulverized
		frt.	freight	purif.	purified
b.r.	boiling range	fus.	fused	redist.	redistilled
bxs.	boxes	gal.	gallon	refd.	refined
C.	centigrade	gran.	granular	refy.	refinery
cbys.	carboys	grd.	ground	resub.	resublimed
CD	completely denatured	i.&a.	iron and aluminum	ret.	returnable
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	SD	specially denatured
cks.	casks	imp.	imported	s.d.	single distilled
c.l.	car lots	incl.	included	S. E.	southeast
cns.	cans	indust.	industrial	secs.	seconds
com'l	commercial	kgs.	kegs	ship't	shipment
conc.	concentrated	lacq.	lacquer	solut.	solution
CP	chemically pure	lb.	pound	s.u.	standard unit
cps.	centipoises	l.c.l.	less than car lots	synth.	synthetic
cryst.	crystal	liq.	liquid	tech.	technical
cs.	cases	m.a.p.	mixed aniline point	USP	U. S. Pharmacopoeia
ctns.	cartons	min.	minimum	vis.	viscosity
cyls.	cylinders	m.p.	melting point	VM&P	varnish makers & painters
dbl.	double	N.	nitrogen	W	west
denat.	denatured	nat.	natural	w.w.	water white
dest.-dist.	destructive-distilled			whse.	warehouse
dextro.	dextrorotatory				
dist.	distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material.

Acid, Soybean Oil—Aluminum Oxide

Acid, soybean oil, s.d., c.l., works lb. .18¼ - .19¼
Stearic, double pressed, bgs lb. .28 - .29
single pressed, bgs lb. .27½ - .28½
triple pressed, bgs lb. .30¾ - .31¾
Succinic, bbls lb. .87 - .90
Sulphanilic, CP, bots., works lb. 1.60 - 1.63
tech., dms., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton 12.25 - —
66° Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton 15.00 - —
98%, tanks, E. works ton 16.00 - —
CF, N.F., consumers cbys., extra lb. .08 - —
9-lb. bots., cs., extra lb. .10 - —
dealers, cbys., extra lb. .06½ - —
9-lb. bots., cs., extra lb. .08½ - —
fuming, 20%, tanks, E works. ton 18.00 - —
Tallow, dist., dms lb. .18¾ - .19¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't lb. .41½ - —
smaller lots lb. .42 - —
dms. lb. .44 - .45
kgs. lb. .42½ - —
imported, kgs. lb. .38 - .38½
Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.95 - 2.00
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works lb. .20 - —
Tungstic, tech., 100-lb. pkgs lb. 2.65 - —
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .75 - .80
Aconitine, amorph., mild, bots oz. 72.25 - 72.50
cryst., potent, bots oz. 85.00 - —
Acrylonitrile, dms., c.l., works lb. .30½ - —
l.c.l., works lb. .31 - .42
tanks, works lb. 29½ - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar lb. 3.25 - 4.10
Agaric, white, bls lb. 1.75 - 1.80
Agrimony herb, bls lb. .35 - .40
Albumen (egg), edible, flake, bbls. lb. 2.66 - 2.80
powd., bbls. lb. 2.71 - 2.85
tech., cryst., bbls. lb. 1.45 - 1.60
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .26½ - —
l.c.l., dlvd. lb. .27½ - —
tanks, dlvd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .18 - —
l.c.l., frt. alld. E. of Miss lb. .19 - —
tanks, frt. alld. E. of Miss (see also Fusel oil, ref.) lb. .17 - —
Benzyl, ens lb. .72 - .80
dms. lb. .68 - .88
Alcohol, butyl, normal, ferment. Ill., Ind. prod., dms., c.l., frt. alld lb. .33 - —
l.c.l., frt. alld E lb. .34 - —
tanks, frt. alld. E lb. .31½ - —
tankwagon, frt. alld. E lb. .32 - —
other production, dms., c.l., ft. alld. E lb. .33 - —
l.c.l., frt. alld. E lb. .34 - —
tanks, frt. alld. E lb. .31½ - —
synthetic, dms., c.l., frt. alld. E lb. .19 - —
l.c.l., frt. alld. E lb. .20 - —
tanks, frt. alld. E lb. .17½ - —
Normal synthetic butyl alcohol prices in West .01c. per lb. higher
secondary, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd. lb. .12½ - —
tanks, dlvd. lb. .10½ - —
tertiary, dms., c.l. lb. .13½ - —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½ - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots. lb. 2.80 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss R gal. .86½ - —
l.c.l., dlvd. E. of Miss. R. gal. .90½ - .95½
tanks, dlvd. E. of Miss R. gal. .74½ - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. dlvd. E. of Miss. R gal. .87 - —
l.c.l., same basis gal. .91 - .96
tanks, same basis gal. .75 - —
Alcohol, denatured, SD2B, dms., c.l., E. of Miss. R gal. .87 - —
l.c.l. same basis gal. .91 - .96
tanks, same basis gal. .75 - —
SD2H, dms., c.l., dlvd. E. of Miss. R gal. .85 - —
l.c.l., same basis gal. .89 - .94
tanks, same basis gal. .73 - —
SD29, denatured with acetaldehyde, dms., c.l., dlvd. E. of Miss. R gal. .88 - —
l.c.l., same basis gal. .92 - .97
tanks, same basis gal. .76 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., dlvd. E. of Miss. R gal. .87½ - —
l.c.l., same basis gal. .91½ - .96½
tanks, same basis gal. .75½ - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone free, dms., c.l., dlvd lb. .13½ - .14½
l.c.l., dlvd lb. .14 - .15½
tanks, dlvd lb. .12 - .13
tech., dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12½ - —
Ethyl, 190 pf, tax paid dms., c.l., dlvd. E. Miss. R gal. 17.97 - —
l.c.l., same basis gal. 18.01 - 18.06
tanks, same basis gal. 17.85 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .87 - —
l.c.l., same basis gal. .91 - .96
tanks, same basis gal. .75 - —
absolute, tax paid, dms., c.l., same basis gal. 18.94 - —
l.c.l., same basis gal. 18.98 - 19.03
tanks, same basis gal. 18.57 - —
Furfuryl, tech., ens., works lb. .20 - —
dms., c.l., works lb. .21½ - —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Carbinol, Isobutyl).
Isobutyl, refd., dms., works lb. .13 - —
tanks, works lb. .12 - —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd gal. .50½ - —
l.c.l., dlvd. gal. .53½ - —
tanks, dlvd gal. .41 - —
99%, dms., incl., c.l., dlvd gal. .54½ - —
l.c.l., dlvd gal. .57½ - —
tanks, dlvd gal. .45 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots. lb. 2.90 - —
Phenylethyl, ens. lb. 1.50 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., works lb. .12½ - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, ens., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.60 - 1.65
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs lb. .50 - .55
Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. .14½ - .15
Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½ - —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs lb. .30 - .31
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls. lb. .63 - .70
Alphanaphthylamine, bbls. lb. .38 - .38¾
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 - 4.40
Alphanitronaphthalene, bbls lb. .34 - —
Alphapicoline, ref. dms., works, frt. equald lb. .27½ - .30
Alphapinene, tanks, South, works gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .18 - —
Alphatocopherol, ampuls kilo. 750.00 - —
Althea root, NF, peeled, bls lb. .30 - .35
Alum, ammonia, burnt, USP, bbls., lb. .16 - .18
gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.25 - —
powd., bbls., works 100 lbs. 4.45 - —
Potash-chrome, bbls lb. .12½ - .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½ - —
l.c.l., works lb. .04¾ - .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½ - —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06½ - .06¾
solution, 32°, cbys., c.l., works lb. .02¾ - —
l.c.l., works lb. .03¼ - —
Fluoride, tech., anhyd., bbls., c.l., frt. equald lb. .10 - —
l.c.l., frt. alld lb. .11 - .13
Formate, basic solution, cks., c.l. lb. .09½ - —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton 52.00 - 56.00
l.c.l., works ton 72.00 - —
light, bgs., dlvd lb. .17 - —
Hydroxide gel, tech., min. 15% Al(OH)3, dms., 10,000 lbs. or more, f.o.b. ship't point lb. .03 - .03½
ton lots, same basis lb. .03¼ - .05¼
smaller lots, same basis lb. .03¾ - .04
14-15% Al_2O_3, fib. dms., works lb. .20¾ - —
contract, works lb. .19¾ - —
9-9½% Al_2O_3, fib. dms., works lb. .17¾ - —
contract, works lb. .16¾ - —
dried, USP XII, fib. dms., works lb. .78 - —
contract, works lb. .75 - —
powder, tech. (see Aluminum hydrate), USP IX, bbls., dms lb. .15 - .17
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, bbls lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .16 - —
pigs, 10,000 lbs lb. .15 - —
Naphthenate, liquid, dms., dlvd lb. .24½ - —
Oleate, dms., contract lb. .43¾ - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½ - —
smaller lots, frt. alld lb. .13 - .15

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Niagara Alkali Company pioneered the electro-chemical industry in America. Niagara continues to extend the know-how gained in this pioneering work to the many users of Niagara Caustic Soda, Caustic Potash, Carbonate of Potash, EBG Liquid Chlorine, Paradichlorobenzene and Niagathal (Tetrachloro Phthalic Anhydride). May we serve you?

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Aluminum Oxide—Barbital, Sodium

Aluminum oxide, crystalline, flour, 280-400 mesh, dms., frt. alld. lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld lb. .51 - .53
kgs., frt. alld lb. .50 - —
optical, floated, kgs., dlvd. lb. .36 - .83
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb. 13.50 - —
jars, works lb. 15.00 -17.00

Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1¼c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum resinate, precip., dms lb. .20½- —
Stearate, dibasic, ctns., c.l. lb. .41 - —
l.c.l. lb. .42 - —
monobasic, ctns., c.l. lb. .41 - —
l.c.l. lb. .42 - —
tribasic, ctns., c.l. lb. .45 - —
less than 1 ton lb. .47 - .48
Sulphate, com'l, bgs., c.l., works, cquald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 2.90 - —
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .65 - —
Aminomethylpropanol, ens., dms., works lb. .50 - .60
Aminomethylethanolamine, tanks, works lb. .60 - —
Aminophilline, bots, kgs lb. 9.00 - 9.50
Aminopyrine, bots., dms lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works ton. 68.00 -70.00
pure, cyls., extra lb. .16 - —
refrigeration, tanks, works, ton 70.50 -72.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 2.85 - 3.00
l.c.l., works 100 lbs. 3.25 - 3.50
tanks, works, anhyd. basis ton. 76.00 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.45 - —

Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 320.00 - —
ton lots, works ton. 338.50 - —
less ton lots, works ton. 343.50 - —
Bicarbonate, dms., works, c.l lb. .064 - .0975
Bichromate, bbls., works lb. .26 - .30
Bifluoride, dms., frt. alld. E lb. .15½- .16¼
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .16½- .17
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs lb. .13 - .15
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.24 - —
Iodide, NF, jars lb. 3.90 - 3.96
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld. zone 1. lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, CP, cryst., kgs lb. 1.26 - 1.30
fine cryst., bbls., kgs lb. .84 - .87
purified, dms lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point ton. 79.50 - —
dom., bgs., western works. ton. 50.00 -52.50

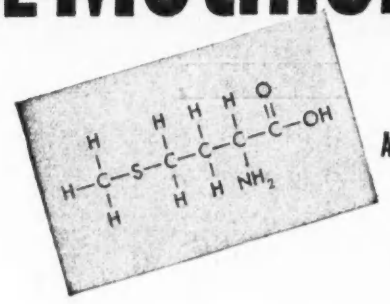
Ammonium nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton. 42.50 - —
Oleate, dms. lb. .30¾- —
Oxalate, fine gran., dms lb. .23 - —
dms., 100 lbs., lots lb. .27 - —
Pentaborate, gran., bbls., c.l., works ton. 230.00 - —
ton lots, works ton. 248.50 - —
less ton lots, works ton. 253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs lb. .25 - —
Persulphate, kgs lb. .25½- .28¼
Phosphate, dibasic, NF V, bbls., kgs lb. .37 - .39
tech., bgs., c.l., works lb. .07 - —
l.c.l., works lb. .07¾- —
Salicylate, NF, dms., kgs lb. 1.23 - —
Silicofluoride, bbls., works lb. .12½- —
Stearate, anhydrous, dms lb. .34 - —
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton. 45.00 - —
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10 - —
l.c.l., works lb. .10½- —
tanks, dlvd. or frt. alld lb. .08½- —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .18
Thioglycolate, highly purified, 100% basis, bbls lb. 7.10 - 8.25
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd. lb. .31½- —
tanks, dlvd. lb. .29 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .23 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 - —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works lb. 1.10 - —
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, ens lb. .77 - 1.00
Anethol, com'l, dms., works lb. .50 - —
NF, dms lb. .60 - 1.40
Angelica root, dom., bls lb. .95 - 1.05
imported, bls lb. .96 - .98
Angostura bark, bls lb. .50 - .55
Anilin oil, dms., c.l., works, frt. alld lb. .15 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .14 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .15½- .16
Cyprus, bgs lb. .20 - .20½
Mexican, bgs lb. .20 - .20½
Syrian, bgs., futures lb. .18½- .19
Anisic aldehyde, bots., ens lb. 2.20 - 3.35
dms. lb. 2.22 - 2.75
Annatto paste, bxs lb. .34 - .37
Seed, bgs lb. .19 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .66
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .80 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .17 - —
Metal, bulk, c.l., mines lb. .35 - .35½
Needle, cs lb. No stocks.
Antimony oxide, ceramic grade, bgs., c.l., dlvd lb. .31 - .32
l.c.l., dlvd lb. .32 - .33
paint grade, bgs., c.l., works lb. .33¾- .34
l.c.l., works lb. .34¾- .35
Salt, 65%, bgs., c.l., dlvd. E. of Miss lb. No stocks.
Sulphide, 65-70%, bbls., c.l., works. lb. .22 - —
l.c.l., works lb. .24 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrine, bbls lb. 2.35 - 2.45
Apomorphine, bots oz. 23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .22 - .25
Arecoline hydrobromide, bots oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 -18.50
Arnica flowers, bbls lb. .60 - .65
Arrowroot, powd., bgs., bbls lb. .16 - .17
Arsenic, metal, lump, bbls., prompt shipt lb. .55 - —
Sulphide, yellow, bbls lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l lb. .06¾- —
l.c.l. lb. .08 - .09
Asafetida, cs lb. .35 - .36
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Can. mines ton. 76.50 - —
5R, bgs., c.l. (20 tons), same basis ton. 68.50 - —
6D, bgs., c.l. (30 tons), same basis ton. 51.00 - —
7D, bgs., c.l. (30 tons), same basis ton. 46.50 - —
7F, bgs., c.l. (30 tons), same basis ton. 44.00 - —
7K, bgs., c.l. (30 tons), same basis ton. 31.00 - —
7M, bgs., c.l. (30 tons), same basis ton. 27.50 - —
7R, bgs., c.l. (30 tons), same basis ton. 26.50 - —
7RF, bgs., c.l., same basis ton. 27.00 - —
7T, bgs., c.l., same basis ton. 25.50 - —
7TF, bgs., c.l., same basis ton. 27.00 - —
Asphaltum, California, dms., c.l. ton. 36.40 - —
l.c.l. ton. 41.40 - —
Cuban, A, bulk, c.l. ton. 60.00 - —
l.c.l. ton. 90.00 - —
B, bulk, c.l. ton. 38.50 - —
l.c.l. ton. 55.00 - —
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., mines ton. 29.00 - —
Jet, bgs., ton lots, gross weight, Colo. mines ton. 29.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .12
Mexican, rfd., dms., f.o.b. Tampico, metric ton. 27.50 - —
South American, rfd., dms., c.l., N. J. refy. ton. 22.00 -23.00
l.c.l., same basis ton. 24.00 -25.00
tanks, same basis ton. 15.00 - —
Atropine, bots. oz. 13.50 -15.00
Sulphate, bots. oz. 10.35 -12.00

B

Balm of Gilead, buds, bgs lb. 2.00 - 2.25
Barbasco root (see Cube root).
Barberry root bark, bgs. lb. .78 - .80
Barbital, dms. lb. 4.50 - —
Sodium, dms. lb. 4.75 - —

Another important development from Dow's program of continuing research

DL-Methionine



ALSO AVAILABLE ARE:

DL-Tryptophan
DL-Phenylalanine
DL-Isoleucine
(With DL-Alloisoleucine)
DL-Leucine
DL-Valine

Recent reductions in the cost of DL-Methionine have resulted from constant research and attention to manufacturing detail. This high quality material as manufactured by Dow is suitable for supplementing protein hydrolysates as well as for use in other medicinal and nutritional products.

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CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Barium carbonate, precip., bgs., 10 tons and up, works ton.72.50 -80.00
smaller lots, works ton.82.50 -90.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms. lb. .17 - .18
pure, bbls., kgs. lb. .10 - .12
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Chromate, bgs., frt. equald lb. .31½- .32
Dioxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12 - —
Fluoride, bbls. lb. .14 - —
Hydrate, crystals, bgs. lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., works lb. .11 - .11½
l.c.l., works lb. .12½- .13½
Peroxide (see Dioxide).
Silicofluorice, bbls. lb. .17 - .19
Stearate, cnss., 1-ton up lb. .45 - —
smaller lots lb. .48 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. lb. .11 - .13
Sulphide, cmss., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton.33.30 - —
l.c.l., same basis ton.35.10 - —
ex whse., N. Y. ton.46.25 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bayberry bark, bgs. lb. .12 - .13
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. lb. 1.25 - 1.50
Root, bls. lb. .55 - .60
Benzine, bulk, mines ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.11.00 - —
Benzaldehyde, NF, dms. lb. .68 - .90
tech., cbys., dms. lb. .45 - .55
Benzene (see Benzol).
Hexachloride, teca., 11% gamma bgs., dms., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
dust, dry, 50%, distributors, dms., c.l., dlvd lb. .21 - —
l.c.l., dlvd. lb. .22 - —
wet, 50%, distributors, dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd. lb. .23 - —
Benzidin base, bbls. lb. .85 - —
Benzocaine, cns. lb. 3.50 - 3.65
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio, gal. .20 - —
Benzophenone, dms. lb. 1.30 - 1.70
Benzoyl chloride, c.l., cbys lb. .20 - .28
l.c.l., works lb. .22½- —
Peroxide, pure, fib. cnss., works lb. .90 - 1.05
Benzyl acetate, f.f.c., dms. lb. .60 - 1.00
dms. lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms. lb. 1.00 - 1.40
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .21½
l.c.l., same basis lb. .20 - .22½
Cinnamate, cns. lb. 3.65 - 4.00
Formate, cns. lb. 1.95 - 3.50
Propionate, bots. lb. 1.65 - 2.50
Salicylate, bots. lb. 1.80 - 2.25
Benzylidinacetone, bots. lb. 1.65 - 2.70
Benzylisoeugenol, bots. lb. 9.50 - —
Berberine bisulphate, cns. lb. No stocks
Hydrochloride, bots. lb. No stocks
Sulphate, cns. lb. No stocks
Berberis root, bls. lb. .30 - .35
Betagammapicoline, dms., c.l., works, lb. .23½- —
l.c.l., works lb. .24 - —
Betanaphthol, resublimed, dms., works, lb. .75 - —
tech., bbls., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Benzoate, fib. dms., works lb. 1.75 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .62 - .70
Betapicolin, 90%, ret. dms., c.l., works lb. 1.25 - —
l.c.l., works lb. 1.70 - —
Beth root, bls. lb. .48 - .50
Biotin, cryst. gram.12.50 - —
Bismuth chloride, jars lb. 4.50 - —
Citrate, USP VIII, jars lb. 3.12 - —
Hydroxide, dms. lb. 3.93 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms. lb. 1.70 - —
Oxychloride, dms. lb. 3.79 - —
Oxide, anhydrous, dms. lb. 4.40 - —
Subcarbonate, USP, dms. lb. 2.60 - 2.63
Subgallate, NF, fib. dms. lb. 2.45 - 2.48
Subiodide, fib. dms. lb. 4.90 - —
Subnitrate, USP, dms. lb. 2.15 - 2.18
Subsalicylate, USP, dms. lb. 3.05 - —
Sulphocarbonate, fib. dms. lb. 4.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., ships, point lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd lb. .14½- .22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .07.32- —
l.c.l., dlvd. or whse. lb. .11¼- .117
uncompressed, regular, bgs., c.l., works lb. .08 - —
bgs., cns., l.c.l., dlvd. or whse lb. .13¼- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
cns., l.c.l., whse lb. .09½- —
high modulus, bgs., c.l., works, lb. .05 - —
cns., l.c.l., whse lb. .09 - —
semi-reinforcing, bgs., c.l., works lb. .03½- —
cns., l.c.l., whse lb. .07½- —
very fine, bgs., c.l., works lb. .07.32- —
l.c.l., dlvd. or whse lb. .1125- .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Lamp, bgs., c.l., works lb. .07 - .30
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw, root bark, bls. lb. .75 - .80
Tree bark, bls lb. .28 - .30
Black Indian hemp root, bls. lb. .52 - .53
Blanc fixe, dry, by-product, bgs., c.l., works ton.75.00 - —
l.c.l., works ton.82.50 - —
direct process, bgs., c.l., works, ton.85.00 - —
l.c.l., works ton.90.60 - —
N. Y. whse. ton.105.00 - 120.00

Blanc fixe, dry, direct process, bbls., c.l., works ton.90.00 - —
l.c.l., works ton.95.00 - —
N. Y. whse. ton.115.00 - —
pulp, 66⅔%, bbls., c.l., works, ton.65.00 - —
l.c.l., same basis ton.71.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 4.75 - —
bbls., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.50 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton 7.00 - —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton. 7.25 - —
soluble, bgs., c.l. lb. .17 - .19
l.c.l. lb. .18 - .25
Bloodroot, bls. lb. .65 - .70
Blue, alkali, dry, bbls., dlvd, N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Blue, milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
Tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .45 - —
Soda CP, bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .29
jobbing type, dry, bbls., same basis lb. .14 - .15
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria, toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls. lb. 3.75 - —
Ink toner, bbls., same basis lb. 2.05 - 2.12
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .55 - .60
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .06 - .09
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.60.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. work, ton.65.00 - —
Chicago, works ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.60.00 - —
Chicago, works ton.60.00 - —
Phosphate, defluorinated (see Di, precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 - .16
Borage flowers, bls. lb .45 - .50
Borax, tech., 99½%, cryst., paper bgs., c.l., works, frt. split ton.74.50 -75.00
ton lots, ex whse., N. Y. or Chi ton.94.20 -94.50
less ton lots, same basis ton.99.20 -99.50
bbls., c.l., works, frt. split ton.94.50 - —
ton lots, ex whse., N. Y. or Chi ton.114.20 -114.50
less ton lots, same basis ton.119.20 -119.50

ORTHOTOLUIDINE CONGO RED 4B
CAUSTIC SODA Solid GLUCOSE 45° Baumé
FORMIC ACID 90% TRICHLORETHYLENE
ANILIN OIL BLEACHING POWDER 70%
RHODAMINE B 500% MAGNESIUM OXIDE Heavy
DIMETHYLANILIN RESORCIN USP Recrystallized
DINITROANILIN METHANOL—Pure, Synthetic
METATOLUENEDIAMINE SULPHUR BLACK

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Seymour, Conn.

AUG 30 1948
XUM

Borax, Technical, Fine Granular—Carotene

Borax, tech., 90½%, fine gran., bulk, works..ton.44.50 -47.50
paper bgs., c.l., works, frt. split, ton.48.50 - —
ton lots, ex whse., N. Y. or Chi..ton.68.20 -68.50
less ton lots, same basis..ton 73.20 -73.50
bbls., c.l., works, frt. split..ton.68.50 - —
ton lots, ex whse., N. Y. or Chi..ton.88.20 -88.50
less ton lots, same basis..ton.93.20 -93.50
powdered, paper bgs., c.l., works, frt. split..ton.53.50 - —
ton lots, ex whse., N. Y. or Chi..ton.73.20 -73.50
less ton lots, same basis..ton.78.20 -78.50
bbls., c.l., works, frt. split..ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.93.20 -93.50
less ton lots, same basis..ton.98.20 -98.50

Borax packed in kgs. is $40 per ton higher than borax packed in paper bags USP, $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld, or nearest whse. point..lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23
Bornyl (thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimatone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., same basis.....lb. .23 - —
single pkgs., same basis.....lb. .28 - —
dms., lead-lined, c.l., dlvd.....lb. .19 - —
Bromoform, USP, bots.....lb. 1.50 - 1.70
cbys. .....lb. 1.42 - —
Bromstyrol, bots.....lb. 4.55 - 6.25
Bronze powder, aluminum (see A).
Gold, iltho., cans, dms., works..lb. .50 - .60
moulding, cans, dms., works..lb. .80 - 1.00
printing ink, cans, dms., works, lb. .95 - 1.10
radiator, cans, dms., works...lb. .60 - .65
Broomtop, bls. .....lb. .25 - .26
Brown, iron, synth., bgs., l.c.l., works, lb. .12 - .12½
Oxide, metallic, bgs., works.....lb. .03 - .03¼
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, paper bgs., c.l., works..lb. .03¾- .14¾
l.c.l., works .....lb. .04 - .15
raw, paper bgs., c.l., works.....lb. .04 - .12½
l.c.l., works .....lb. .04¼- .13¾
Umber, burnt, American, c.l., bbls., works..lb. .04¾- .05¾
l.c.l., bgs., works.....lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwasse, Va., N. Y..lb. .05¾- .07¾
l.c.l., works .....lb. .06 - .08
raw, American, bgs., same basis, lb. .03¾- .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works.....lb. .09¾- .12
Brucine, cns., 100 ozs.....oz. .40 - .50
Sulphate, cns., 100 ozs.....oz. .30 - .40
Bryonia root, bls.....lb. .35 - .36
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls.....lb. .23 - .24
cut and sifted, bls.....lb. .26 - .28
Berries, bgs. .....lb. .85 - .90
Burdock root, bls.....lb. .25 - .30
Butane, indust., tanks, group 3....gal. .06 - —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss..lb. .31½- —
l.c.l., same basis.....lb. .32½- —
tanks, same basis.....lb. .30 - —
tankwagons, same basis....lb. .30½- —
other production, dms., c.l., same basis..lb. .31½- —
l.c.l., same basis.....lb. .32½- —
tanks, same basis.....lb. .30 - —
synthetic, dms., c.l., same basis, lb. .19 - —
l.c.l., same basis.....lb. .20 - —
tanks, same basis.....lb. .17½- —
Normal butyl acetate, W. of Miss., ½c. per lb. higher.
secondary, dms., c.l., dlvd. E. or Miss..lb. .14½- —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works.....lb. .20½- —
l.c.l., works .....lb. .21½- —
tanks, works.....lb. .19½- —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50/50, cns., works..lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .45½- —
l.c.l., same basis.....lb. .46½- —
tanks, same basis.....lb. .44 - —
Laurate, dms., works.....lb. .42 - —
Methacrylate, M-4, dms., works..lb. .60 - —
cns., works .....lb. .63 - .67
P-4, cns., works.....lb. .65 - —
Myristate, dms., works.....lb. No prices.
Oleate, refd., dms., l.c.l., works...lb. .52 - —
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Butyl propionate, dms., dlvd.....lb. No stocks
tanks, dlvd. .....lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies..lb. .49 - —
l.c.l., same basis.....lb. .50 - —
Butyric ether (see Ethyl butyrate).

C

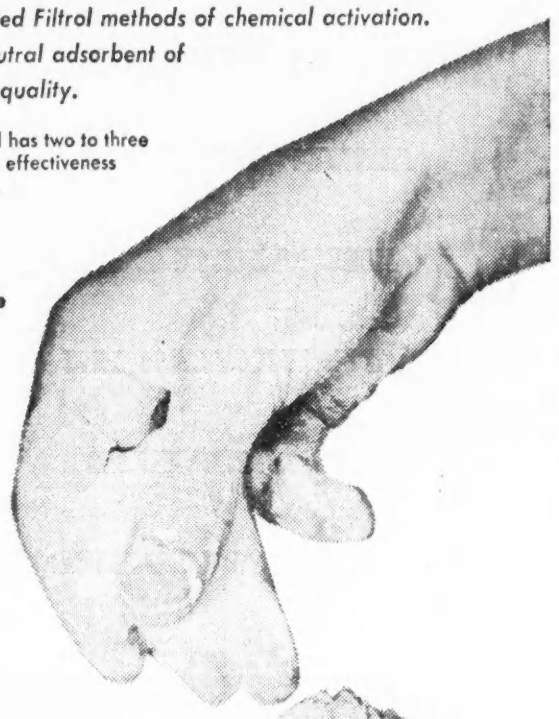
Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodide, cns. .....lb. 4.89 - 4.96
Lithopone (see Yellow).
Cadmium metal, ingots or sticks, cs., dlvd..lb. 1.90 - —
patent shapes, cs., dlvd.....lb. 2.00 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more, lb. 4.75 - 5.00
anhydrous, dms., 100 lbs. or more, lb. 5.00 - —
Citrated, dms., 100 lbs. or more....lb. 3.60 - —
Hydrobromide, bots. .....lb. 0.50 - —
Calabar beans, bgs., futures.....lb. .65 - .66
Calamus root, dom., bgs.....lb. .30 - .35
imported, bleached, bls.....lb. .70 - .88
peeled, bls.....lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (3 standard units=1,000,000 USP units), works..gram 4.00 - —
1,000 to 10,000 s u., works..gram 4.40 - —
less than 1,000 s u., works. gram. 4.80 - —
in edible oil, dms., 10,000 or more... .10 - —
1,000 to 10,000 s u., works....unit. .11 - —
less than 1,000 s u., works..unit. .12 - —
Calcium acetate, bgs., dlvd....100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld..lb. .09½- .10½
l.c.l., same basis.....lb. .10½- .12¼
Bromide, NF, jars.....lb. .75 - .85
Carbide, dms., c.l., works.....ton.107.00 -140.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars, lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald..ton.22.00 - —
l.c.l., same basis.....ton.32.00 -61.00
liquor, works, basis 40%, tankcars, ton 9.00 - —
solid, 73-75%, dms., c.l., works, same basis..ton.20.00 - —
l.c.l., works, same basis..ton.30.00 -58.00
Chromate, bgs., frt. equald.....lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies.lb. .30 - .70
Gluconate, AA, bbls.....lb. .65 - .72
cns. .....lb. .83 - .90
USP, bbls. .....lb. .58 - .65
cns. .....lb. .76 - .83
Hydride, dms., works.....lb. .90 - —
Glycerophosphate, NF, fib, dms...lb. 1.65 - 1.80
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies..dm.24.00 -28.50
cans, cased (45 lbs.) same basis..cs.19.75 -21.50
Hypophosphite, dms. .....lb. .68 - —
Iodide, jars .....lb. 4.12 - —
Lactate, USP, dms.....lb. .37 - .44
Laurate, bbls. .....lb. .43 - .44
Mandelate, USP, dms., works.....lb. 1.85 - 2.10
Naphthenate, liquid, 4% Ca, dms., dlvd..lb. .23½- —
5% Ca, dms., dlvd.....lb. .28½- —
Pantothenate, dextro-, jars....gram. .07½- —
Phosphate, feeding grade, bgs., works..ton.75.50 -110.00
food grade, bbls., 10 or over, works, lb. .07 - .07¼
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bbls.....lb .13 - .18
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .06½- —
l.c.l., same basis.....lb. .07½- —
tribasic, bgs., c.l., works....100 lbs. 6.00 - —
bgs., l.c.l., works.....100 lbs. 6.95 - 7.50
Phytate, bgs., works.....lb. .22 - —
Resinate precip., 5.8% Ca, dms..lb. .20 - —
Silicate, hydrated, bgs., c.l., works. .05½- —
l.c.l., works .....lb. .06 - —
Stearate, precip., cns., c.l., works, lb. .42 - —
l.c.l., works.....lb. .43 - .44
Sulphate (see Gypsum)
Sulphide, 70%, bgs., c.l., works ton 45.00 - —
70%, bgs., l.c.l., works.....ton.50.00 - —
luminous tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls., dms.....lb .59 - .60
Calcium-strontium sulphide, phosphorescent, dms., works.....lb. 1.06 - 1.50
fine particle size, works.....lb. 1.50 - 1.75
Calendula flowers, bls.....lb. .80 - .85
Calomel, USP, cryst., dms.....lb. 1.82 - 1.83
fine powd., dms.....lb. 1.97 - 1.98
Camphor, monobromated, dms., kgs..lb. 3.10 - 3.20
Camphor, natural .....lb. No stocks.
synth., tech., bbls., 2,000 lbs. or more, works. lb. .42 - —
10 lbs. (1,500 lbs.).....lb. .44½- —
smaller lots .....lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb lots..lb. .66 - —
1,000-lb. lots .....lb. .67 - —
smaller lots .....lb. .68 - —
tablets, tins, 2,000-lb. lots....lb. .83 - —
1,000-lb. lots .....lb. .84 - —
smaller lots .....lb. .85 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs.....lb. 1.25 - 1.30
powd., bxs. .....lb. 1.40 - 1.50
Russian, bgs. .....lb. 6.25 - 6.50
powd., bxs. .....lb. 6.50 - 6.75
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns.....lb. 6.50 - 6.75
Caramel coloring, bbls .....gal. 1.25 - —
Caraway seed, Danish, bgs.....lb. .17 Nom.
Dutch, bgs. .....lb. .18 - .18¼
Carbazole, 97%, dms., ton lots, works, lb. 1.55 Nom.
Carbinol butyl, normal, dms., l.c.l., works..lb. .42 - —
secondary, dms., l.c.l., works...lb. .70 - —
Isobutyl, dms., c.l., works.....lb. .61 - —
l.c.l., works.....lb. .52 - —
tanks, works.....lb. .50 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .11½- —
l.c.l. same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points..lb. .05½- —
l.c.l., same basis.....lb. .06½- —
5-gal. dms., c.l., same basis.....lb. .07½- —
l.c.l., same basis.....lb. .08½- —
Tetrachloride, cns.....lb. .06 - .08
Tetrachloride, CP, dms., works...lb. .08½- .11
tech., dms., E. of Rockies, c.l., frt. alld..lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
W. of Rockies, c.l., frt. alld, lb. .08 - —
USP, cbys. .....lb. .17 - .19
Cardamom fruit, bleached, bold, cs., futures..lb. 2.10 - 2.12
medium, cs. .....lb. 1.80 - 1.82
decorticated, Guatemalan, cs....lb. 1.73 - 1.75
Indian, cs. .....lb. 1.60 Nom.
green, Alleppey, bgs.....lb. 1.55 - 1.60
Seed (See Cardamom fruit, decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more..lb. 5.50 - —
smaller lots.....lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta... 10 mg. 5.00 - —
80% beta-10% alpha, ampuls... 100 mg. 2.00 - —
bulk gram quantities.....gm. 5.00 - —

Know more about Filtrol

the leading all-round activated decolorizing adsorbent "Special"

"SPECIAL" FILTROL is a scrupulously clean, finely divided adsorbent powder made from selected Bentonite clays by perfected Filtrol methods of chemical activation.*

Filtrol processing insures a practically neutral adsorbent of exceptional decolorizing activity and uniform quality.



VASTLY SUPERIOR TO RAW CLAYS: "Special" Filtrol has two to three times greater decolorizing power — offers the greatest effectiveness in decolorizing normal or hard-to-bleach fats and oils.

"Special" Filtrol needs only one-half to one-third as large a charging dosage — saving on adsorbent, freight costs, storage costs, and handling costs.

"Special" Filtrol economy means: one-half to one-third as much oil loss in press cake — saving scarce and expensive oils and reducing "cake" disposal costs — greater production due to faster filter rates.

EASY TO HANDLE — SHIP — STORE: "Special" Filtrol is highly stable and can be stored indefinitely under normal dry conditions. It is packed in easy-to-handle, fifty-pound, multiwalled bags.

CONVENIENT SHIPPING POINTS: Because you use less "Special" Filtrol — shipping costs are cut whether shipped from Jackson, Mississippi Plant or district warehouses.

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SPECIAL Filtrol

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FILTROL CORPORATION General Offices: 634 South Spring Street, Los Angeles 14, California • Plants at Vernon, Calif. and Jackson, Miss.

Carotene, technical, 1,350,000 A units per gram..gm. .67½- —
dry powder, 3,330 A units per gram, lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn..cn. .85 - —
in vegetable oil, 250,000 A units per gram..lb.37.80 - —
50,000 A units per gram.....lb. 7.87 - —
3,330 A units per gram.....lb. .85 - —
Carvol, bots. .....lb. 9.50 -16.00
Cascara sagrada bark, bulk.....lb. .38 - .40
Case-hardening mixture, 30% gran., dms., l.c.l., dlvd..lb. 09¾- —
Casein, dom., acid-precip., bgs., 10,000 lb. or more, ship't point..lb. .31 - —
rennet precip., 10,000 lbs. or more same basis..lb. .34 Nom.
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .26 - .26½
rennet precip., unground, 100 bgs. or more..lb. .36 Nom.
smaller lots.....lb. .37 Nom.
Cassia bark, Batavia, No. 1.....lb. .45 Nom.
broken, bls. .....lb. .34 Nom.
shorticks, bls. .....lb. .26 Nom.
Cassia, rolls, select, cs.....lb. .12 - .12½
broken, bls.....lb. .08½- .09
Kwangsi, broken, bls.....lb. .12 - .12½
Saigon, broken, bls.....lb. .30 - .31
medium, bls. .....lb. .37 - .38
thin, bls.....lb. .44 Nom.
Yunnan, bls. .....lb. .16 - .16½
Bale, China, bgs. .....lb. .37½- .38
Cassia fistula, bskts.....lb. .24 - .25
Castor beans, bgs., Sept. ship't, Brazilian ports..long ton.130.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works.....ton.27.50 - —
Castorwax, nat., cns. .....lb.12.00 -45.00
synthetic, cns.....lb.22.00 - —
Catechol, CP, cryst., fib dms., works, lb. 2.00 - —
resublimed, dms., works.....lb. 2.25 - —
Catnep, bls .....lb. .60 - .65
Celery seed, French, bgs., futures..lb. .29 - .30
Indian, bgs. .....lb. .24 - .24½
futures, bgs. .....lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .36 - —
granules, ctns., same basis....lb. .42 - —
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld..lb. .47 - —
l.c.l., same basis.....lb. .49 - .51
regular black, dms., l.c.l., same basis..lb. .35 - .39
variegations, dms., l.c.l., same basis..lb. .54 - .59
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. and over, works..lb. .52 - —
less than 500 lbs., works..lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. and over, works..lb. .49 - —
less than 500 lbs., works..lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works..lb. .53 - —
less than 500 lbs., works..lb. .54 - —
gran., 37% butyryl content, ctns., 500 lbs. and over, works, lb. .51 - .57
less than 500 lbs., works..lb. .52 - .58
48% butyryl content, ctns., 500 lbs. and over, works..lb. .57 - —
less than 500 lbs., works..lb. .58 - —
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld..lb. .53 - .61
regular black, dms., l.c.l., same basis..lb. .47 - .51
variegations, dms., l.c.l., same basis..lb. .61 - .68
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —
Cerium hydrate, dms., works.....lb. 1.25 - —
Oxalate, NF, bbls., kgs., works..lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works..lb. 2.25 - —
kgs., 100 lb. lots, works.....lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works..lb. .02½- .03½
l.c.l., ex whse.....lb. .04 - —
paint, bgs., c.l., works.....ton.40.00 - —
papermakers, bgs., c.l., works.ton.32.50 -40.00
rubber makers, bgs., c.l., works..ton.30.00 - —
Chamomile, Hungarian, cs. .....lb. .46 - .50
Roman, bls. .....lb. 1.50 - 1.75
Charcoal, hardwood, briquets, bulk, c.l., works..ton.49.50 - —
bgs., c.l., works.....ton.54.50 -55.50
granular, bgs., incl., c.l., works, ton.50.50 - —
lump, bulk, c.l., works.....ton.39.50 -42.50
bgs., extra, returnable, c.l., works, ton.42.50 -45.50
screenings, bgs., works.....ton.33.50 - —
Pinewood, gran., powd., bgs., c.l., works, South..ton.40.00 - —
l.c.l., works.....ton.50.00 -60.00
lump, bgs., c.l., works, South..ton.25.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works..lb. .0465- —
l.c.l., works.....lb. .0495- —
tanks .....lb. .0390- —
powd., 65% tannin, bgs., extra, c.l., works..lb. .1105- —
l.c.l., works.....lb. .1170- .1180
China clay, dom., dry-grd., air-float, 99.75% 200 mesh, bgs., c.l., works..ton.12.50 -13.00
l.c.l., works .....ton.13.50 -14.00
bulk, c.l., works.....ton. 9.50 -10.00
99% 200 mesh, bgs., c.l., works..ton.10.00 -12.00
l.c.l., works.....ton.11.00 -16.00
wet-grd., silk-bolt, 99½% 325 mesh, bulk, c.l., works..ton.13.00 - —
paper bgs., c.l., works..ton.15.00 - —
imported, white, lump, bulk, c.l., ex dock Baltic, Boston, Norfolk, Phila..net ton.16.00 -35.00
powd., bgs., c.l., ex dock....ton.45.00 - —
l.c.l., ex whse.....ton.50.00 -55.00
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars.....lb. .90 - .95
Chlordane, agricultural, dms., c.l., frt. alld..lb. 1.50 - —
l.c.l., frt. alld.....lb. 1.55 - 1.70
refined, dms., c.l., frt. alld.....lb. 1.65 - —
l.c.l., frt. alld.....lb. 1.70 - 1.85
technical, cns., c.l., works.....lb. 1.55 - —
l.c.l., works.....lb. 1.60 - 1.80
Chlorinated rubber, standard, ctns., c.l., works..lb. .40 - —
l.c.l., works.....lb. .43 - —
Chlorine, liquid, cyls., c.l., works..lb. .07 - .12
l.c.l., stock points.....lb. .09 - .15½
tanks, single units, works, frt. equald..100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald..100 lbs. 2.70 - —
2 cars, same basis.....100 lbs. 3.30 - —
1 car, same basis.....100 lbs. 3.90 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloro(o-2-Toluidine, bbls. .....lb. 1.38 - —
Chloropicrin, com'l, bots.....lb. 1.35 - —
cyls., 150-lbs., frt. alld.....lb. .85 - —
100 lbs., same basis.....lb. .87 - —
25 lbs., same basis.....lb. 1.12 - —
Cholesterol, USP, fib. dms., 100-lb. lots, lb.12.00 -14.38
jars, dms., smaller lots.....lb.13.75 -15.55

Choline chloride, fib dms., works..lb. 3.00 - 3.10
feed grade, fib. dms., works....lb. 2.20 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works..lb. No stocks
solut., 7½%, bbls., cs.....lb. .09½- —
8½%, bbls., cs. .....lb. No stocks
Cake, bulk, c.l. works.....ton.16.00 - —
Fluoride, bbls., works.....lb. .24 - .27
Green (see Green, chromium).
Oxide (see Green, chromium oxide).
Oleate, bbls. .....lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. .....lb. 7.11 - —
Cinchona bark, N.F., red, quill, 30-in., cs..lb. 1.26 Nom.
yellow, broken, bgs.....lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs..oz. .96 - —
Cinchonine, large cryst., cns., 100 oxs. oz. .69 - —
small cryst., cns., 100 ozs.....oz. .65 - —
Sulphate, NF, cns., 100 ozs.....oz. .42 - —
Cinchophen, NF, heavy, dms., works, lb. 4.20 - 4.30
standard, dms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms.....lb. .75 - 1.25
Cinnamon, Ceylon, No. 2, bls.....lb. .33 - .33½
Citral, bots., cns.....lb. 3.75 - 5.00
Citronellal, bots., dms.....lb. 2.75 - 3.75
Citronellol, bots., dms.....lb. 3.50 - 4.75
Clover tops, red, dom., bgs.....lb. .58 - .60
imported, bgs .....lb. No stocks
Cloves, Madagascar, bls.....lb. .10 - .10½
futures, bls. .....lb. .10 - .10½
Zanzibar, bls .....lb. .18 - .18½

Coaltar coal-gas, water-gas crude, resale, dms., c.l., works..dm.10.60 - —
l.c.l., works.....dm.11.10 - —
tanks, works.....gal. .14 - —
refd., bbls., c.l., works.....bbl.11.10 - —
l.c.l., works.....bbl.11.60 - —
tanks, works.....gal. .15 - —
Cobalt acetate, bbls., kgs., dlvd..lb. .83½- —
Carbonate, powd., bgs., works....lb. 1.58 - —
feed grade, 49½% Co, kgs.....lb. 1.58 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs.....lb. 1.25 - —
Hydrate, bbls. .....lb. 2.01 - —
feed grade, 62% Co, kgs.....lb. 2.01 - —
Linoleate, paste, 6% Co, dms....lb. .56 - —
solid 8½% Co, dms.....lb. .65 - —
8% Co, dms.....lb. .61½- —
Naphthenate, solid, 6% Co, dms., dlvd..lb. .37 - —
Nitrate, feed grade, 20.4% Co., bbls. lb. .73¾- —
Oxide, black, kgs.....lb 1.27½- 1.80
Phosphate feed grade, 31% Co, kgs. lb. 1.20½- —
Resinate, precip., 7.5% Co, dms...lb. .38½- —
Cobalt, sulphate, dms.....lb. .65 - —
feed grade, 21% Co kgs.....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Phila., Cleve. or N. Y.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, cns., 100-oz. lots..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .67 - .68
silver, Teneriffe, bgs.....lb. .69 - .70
Cocillana bark, bgs.....lb. .19 - .20
Cocoa butter, bgs. .....lb. .91½- —

Codeine, cns., 100 ozs.....oz.13.25 - —
Hydrochloride, cns., 100 ozs.....oz.11.85 - —
Phosphate, cns., 100 ozs.....oz.10.25 - —
Sulphate, cns., 100 ozs.....oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh black, root, bls.....lb. .20 - .21
Blue, bls. .....lb. .19 - .20
Colchicum seed, bgs., futures.....lb. 3.25 - 4.00
Colchicine, bots., cns.....oz. No stocks
Collodion, USP, dms.....lb. .24 - .29
Flexible, USP, dms.....lb. .25½- .30½
Colocynth pulp, bls.....lb. .50 - .52
Colombo root, bls.....lb. .18 - .19
Coltsfoot leaves, bgs.....lb. .40 - .43
Condurango bark, bgs., futures.....lb. .20 - .21
Copaiba balsam, cns., dms.....lb. .65 - .66
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works.....lb. .29 - .30
Carbonate, 52-54%, bbls.....lb. .25½- .26¼
Chloride, anhyd., bbls.....lb. .29 - —
crystals, bbls.....lb. .30 - .30¾
Cyanide, tech., bbls.....lb. .46 - —
Hydrate, dms., dlvd. E. Miss....lb. .27½- .29
Metal, electrolytic .....lb. .23½- —
Naphthenate, liquid, 8% Cu, dms., dlvd..lb. .22½- —
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls....lb. .33 - —
solid, 10% Cu, bbls.....lb. .45½- —
12.5% Cu, bbls.....lb. .44½- —
Oxide, black, bbls., works.....lb. .28 - .30
red, com'l, bbls., works.....lb. .30 - .32½
Oxychloride-sulphate, bgs., frt ald.lb. .21 - .24
Resinate, precip., 8.5% Cu, dms..lb. .21½- —
Stearate, bgs., works.....lb. .30½- —

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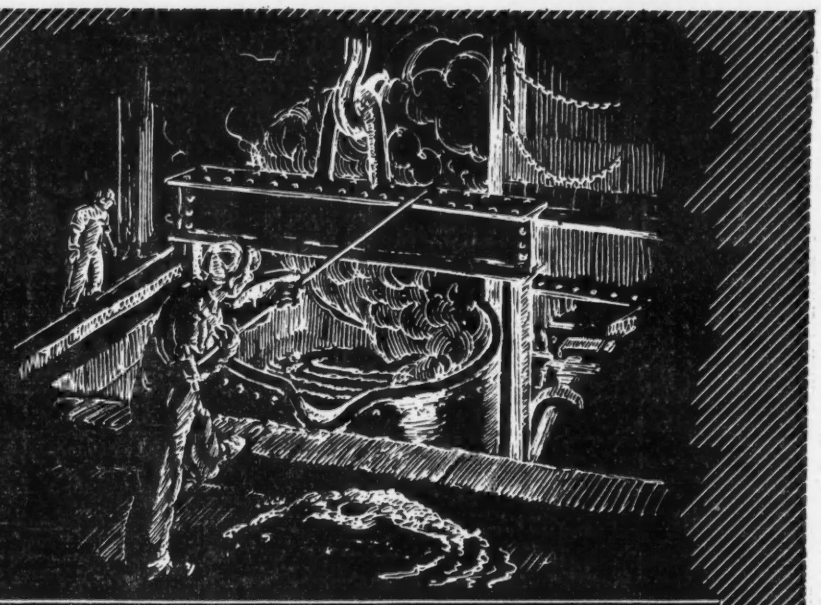

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Citric Acid
Titanium Trichloride
Carbon Bisulphide
Carbon Tetrachloride
Caustic Soda
Chlorine
Silicon Tetrachloride
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Copper Sulphate—Dioctyl Phthalate

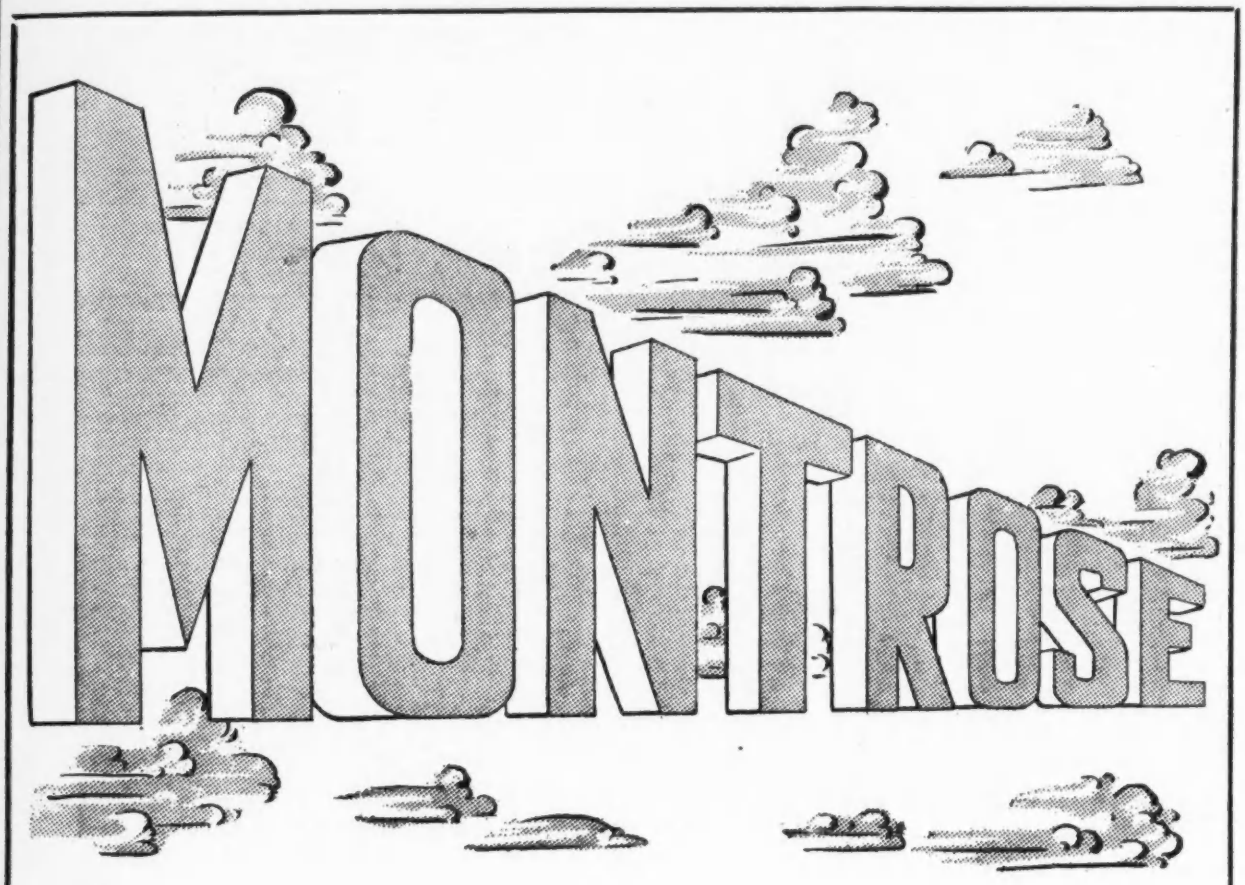
Copper sulphate, cryst., 99%, bgs., c.l., works..100 lbs. 8.10 - —
l.c.l. ..... 100 lbs. 9.10 - —
monohydrated, 35%, dms., c.l., dlvd. 100 lbs. 13.50 - —
l.c.l., dlvd. ..... 100 lbs. 14.00 -14.80
tribasic, dealers, bgs., works, c.l. lb. .22¾- —
l.c.l., works ..... lb. .23¼- .24¼
Copperas, cryst., gran., bgs., c.l., works, ton 17.00 - —
l.c.l., works..... 100 lbs. 2.50 - 3.00
bbls., c.l., works..... ton 20.00 - —
bulk, c.l., works..... ton 14.00 - —
Copra, c.i.f., Pacific ports..... ton 240.00 Nom.
Atlantic or Gulf ports..... 246.00 Nom.
Coriander seed, Argentine, bgs, futures. lb. .05½- .06
Italian, bgs. ..... lb. .06 - .06½
Moroccan, bgs. ..... lb. .06¾- .07¼
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 - —
bbls., c.l., same basis.... 100 lbs. 6.29 - —
Syrup, 42°, bbls., c.l. ..... 100 lbs. 6.60 - —
l.c.l. ..... 100 lbs. 6.75 - —
Cornsilk, bls. ..... lb. .18 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more..lb. 1 68 - —
gran., powd., dms., 50 lbs. or more..lb. 1 53 - —
Cottonroot bark, bls..... lb. .37 - .42
Cottonseed hull ash, 32-36% potash, bgs., dlvd. unit-ton 1 75 - —
Meal, 41% protein, sacked, c.l., mills, S.E. ..ton 56 50 -57.00
Coumarin, ens., 25 lbs..... lb. 3.60 - —
smaller lots ..... lb. 3.05 - 3.15
Cramp bark, NF, bls..... lb. .80 - .85
Cream of tartar, com., USP, gran, or powd., bbls., 5,000 lbs. one shipt. lb. 35½- —
smaller lots ..... lb. .36 - .36½
Creosote, beechwood, bots., cbys.... lb. 1.15 - 1.20
Coaltar, crude, tanks, works.... gal. .19½- —
refined, dms., c.l., works.... gal. .38½- —
l.c.l., same basis..... gal. .39 - —
tanks, same basis..... gal. .25 - —
solution, 80%, tanks, works.. gal. .20 - —
Hardwood, NF, bots., cbys..... lb. .85 - —
Pinewood, dms..... gal. .31 - .32
Creosote carbonate, bots., cbys.... lb 2.35 - 2.40
Cresol, tech., dms., c.l., works, and frt. equald.. lb. .19 - .19¾
l.c.l., same basis..... lb. .19¼- .19½
tanks, same basis..... lb. .18¼- .18½
USP, dms., c.l., same basis..... lb. .18¾- .19¼
l.c.l., same basis..... lb. .19¼- .19¾
tanks, same basis..... lb. .18¼- .18½
Crotonaldehyde, 91 95% cms., 55 and 110 gals., l.c.l., works.. lb. .16½- .17
5 and 10-gals., l.c.l., works.... lb. .22 - —
Cryolite, nat., dealers, bgs., bbls., c.l., works, 100 lbs. 12 75 - —
bbls., l.c.l., works..... 100 lbs. 13.75 -14.75
Cube root, powd., 5% rotenone, bbls., works.. lb. .33 - .35
Cubeb berries, XX, bgs..... lb. .45 - .50
powd., cs. ..... lb. .55 - .60
Culvers root, bbls..... lb. .69 - .70
Cumin seed, Cyprian, bgs..... lb. No stocks
Indian, bgs, futures..... lb. .40 - .41
Italian, bgs. ..... lb. .08½- .09
Moroccan, bgs..... lb No stocks
Persian, bgs. ..... lb. .20 - .21
Syrian, bgs. ..... lb. .22 Nom.
Cutch, extract, 55% tannin, bgs., ex dock.. lb. 09½- —
Cyanamide, fertilizer mixing grades, 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk... unit-ton 2 55 - —
pulv., 21% N., bgs., same basis. unit-ton 2.45 - —
Cyclohexane, tech., dms., c.l., works. lb. .06½- .12½
l.c.l. works. ..... lb. .10 - .13
tanks, works..... lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½- —
l.c.l., works ..... lb. .22 - —
tanks, works ..... lb. .20 - —
Cyclohexanone, tech., dms., c.l., works. lb. 26½- 30
l.c.l., works..... lb. .27 - .31
tanks, works..... lb. .25 - .29
Cyclohexylamine, dms., works..... lb. .32 - —
Cyclopropane, USP, cyls., dlvd...gal. .27 - —

D

Damiana leaves, bls. ..... lb. .45 - .50
Dandelion root, bls. ..... lb. .48 - .50
DDT, fiber dms., c.l., works..... lb. .34 - —
ton lots, works..... lb. .35 - .36
smaller lots ..... lb. .42½- —
Decanol, normal tech., dms., dlvd. lb. .35 - —
Deertongue leaves, bls..... lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., works...ton 41.65 -52.50
Rock, paper bgs., works..... ton 31 25 - —
Degras, common, bbls..... lb. .10 - .12
Neutral, less 2% ffa., bbls..... lb. .16 - .18
over 2% ffa., bbls..... lb. .15 - .17
Derris root, 5% rotenone, powd..... lb. .40 - —
Dextrin, British gum, bgs., c.l... 100 lbs. 8.34 - —
Chicago ..... 100 lbs. 7.73 - —
l.c.l. ..... 100 lbs. 8.49 - —
Corn, Canary, bgs., c.l..... 100 lbs. 8.08 - —
Chicago ..... 100 lbs. 7.47 - —
l.c.l. ..... 100 lbs. 8.23 - —
dark, bgs., c.l. ..... 100 lbs. 8.18 - —
Chicago ..... 100 lbs. 7.57 - —
l.c.l. ..... 100 lbs. 8.33 - —
white, bgs., c.l. ..... 100 lbs. 7.93 - —
Chicago ..... 100 lbs. 7.32 - —
l.c.l. ..... 100 lbs. 8.08 - —

Above prices are for dextrin in paper bgs.; cotton bgs., 17c higher

Potato, dom., bgs. ..... lb. .12½- .13
Diacetone (see Alcohol, diacetone)
Diacetyl, flavor grade, bots..... lb 5 20 - 5.55
laboratory grade, bots... 100 grams 4.50 - —
tech., bots., works..... lb 3 00 - —
Diamyl ether (see Ether, amyl)
Phthalate, dms., tanks..... lb. No prices
Diamylphenols, mixed, dms., c.l., works..lb. 31 - —
l.c.l., works..... lb 32 - —
tanks, works..... lb. 30 - —
Dianisidin, dms. ..... lb 1 54 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast. ton 50 00 -52 00
California ..... ton 38 00 -40 00
l.c.l. ex whse..... ton 80 00 - —
purified, bgs., c.l., Atlantic coast. ton 62 00 - —
California ..... ton 50 00 - —
l.c.l., ex whse ..... ton 90 00 - —
Imported, Algerian, bgs., c.l., Atlantic coast, ton No prices
Mexican, white, bgs., c.l., Atlantic coast. lb. .03 - —
l.c.l., Atlantic coast..... lb. 06 - —
Dibutyl phthalate, dms., c.l..... lb. 37 - 38½
l.c.l. ..... lb. 37½- 39
tanks ..... lb. 35½- 37
Sebacate, dms., c.l., works..... lb. .67½- —
l.c.l., works ..... lb. .68 - —
tanks, works ..... lb. .66 - —
Tartrate, dms., works, frt. alld.... lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld... lb. .52½- —
l.c.l., frt. alld..... lb. .53½- —
tanks, frt. alld ..... lb. .50 - —
Dibutylmetacresol, dms., c.l., works. lb. .79 - —
l.c.l., works ..... lb. .80 - —
Dibutylparacresol, dms., c.l., works. lb. .94 - —
l.c.l., works ..... lb. .95 - —
Dicaprylsebacate, dms., c.l., works. lb. .65½- —
l.c.l., works..... lb. .66 - —
tanks, works ..... lb. .64 - —
Dichloroaniline, dms., works..... lb. .75 - —
Dichlorodiphenyldichloroethane, fib. dms., c.l., works. lb. 42½- —
ton lots, works..... lb. 45 - —
tins, small lots, works..... lb. 48 - 50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald.... lb. .28 - —
Dicoumarol, bots., works..... lb. 18.00 - —
Dicyclohexylamine, dms., works.... lb. 38 - —
Dicyclohexylphthalate, fib. dms., c.l., works. lb. 42½- —
l.c.l., same basis..... lb. 43 - —
Diethanolamine, dms., c.l., frt. alld, E. lb. 26 - —
l.c.l., same basis..... lb. .27 - —
smaller containers, same basis.... lb. .30 - —
tanks, same basis..... lb. 24½- —
Diethyl carbonate, dms., l.c.l..... lb. .40½- —
Oxalate, dms., c.l. ..... lb. .35½- —
l.c.l. ..... lb. .36½- —
tanks ..... lb. .34 - —
Phthalate, dms., c.l., frt. equald... lb. .33½- —
dms., l.c.l., frt. equald..... lb. .34 - —
tanks, frt. equald..... lb. .32 - —
Sulphate, dms., c.l., works..... lb. .14 - —
l.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .13 - —
Diethylamine, dms., c.l., works.... lb. .60 - —
l.c.l., works ..... lb. .61 - —
tanks, works ..... lb. .55 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. lb. .75 - —
Diethylaniline, dms. ..... lb. .48 - —
Diethyleneglycol, dms., c.l., frt. allwd, E. lb. 16½- —
l.c.l., same basis..... lb. .17 - —
tanks, same basis..... lb. .15 - —
Diethylether, dms., l.c.l., works.... lb. .40 - —
Monobutylether, dms., c.l., works. lb. .26 - —
l.c.l., works..... lb. .26½- —
tanks, works..... lb. .24½- —
Monobutylether acetate, dms., c.l., works. lb. .27½- —
l.c.l., works..... lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works..... lb. .18½- —
tanks, works..... lb. 16½- —
Monoethylether acetate, dms., c.l., works. lb. .24 - —
l.c.l., works..... lb. .24½- —
Monomethylether, dms., c.l., works. lb. .22 - —
l.c.l. ..... lb. .22½- —
tanks ..... lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works ..... lb. .52 - —
tanks, works ..... lb. .50 - —
Diethylstilbestrol, bots..... kilo. 300.00 -330.00
Digitalin, cryst., bots..... gram. 18.00 -19.00
powd., bots. ..... gram. 1.25 - 1.75
Digitalis leaves, dms. ..... lb. .90 - 1.00
Diglycol laurate, dms..... lb. .33 - —
Oleate, lfght. bbls., c.l..... lb. .28 - —
Stearate, bbls., c.l..... lb. .40 - —
Dihydroxydichlorodiphenylmethane, dms. lb. .95 - 1.00
smaller containers ..... lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14½- —
l.c.l., works..... lb. .14½- —
tanks ..... lb. .12½- —
Di-isobutylene, dms., c.l., works.... lb. .07 - —
l.c.l., works ..... lb. .07½- —
tanks, works ..... lb. .05½- —
Dillseed, decorticated, bgs..... lb. .16 Nom.
dewhiskered, bgs. ..... lb. .11½- .12
Dimethyl phthalate, dms., c.l., dlvd. lb. .27½- —
l.c.l., dlvd. ..... lb. .28 - —
tanks, dlvd. ..... lb. .26 - —
Sebacate, dms., c.l., works..... lb. .73 - —
l.c.l., works ..... lb. .73½- —
tanks, works ..... lb. .71½- —
Sulphate, ret. 55-gal. dms., c.l., works. lb. .15 - —
l.c.l., works ..... lb. .16 - —
ret. 10-gal. cms., works..... lb. .16½- —
Dimethylamine, anhyd., cyl., works, basis 100%.. lb. .38½- .43¾
25%-40%, dms., c.l., works, basis 100%.. lb. .38 - —
l.c.l., works, basis 100%..... lb. .38½- —
tanks, works, basis 100%..... lb. .33 - —
Dimethylaniline, dms., c.l..... lb. .21 - .23¾
l.c.l. ..... lb. .23 - .26¾
Dinitroaniline, dms., frt. equald.... lb. .50 - —
Dinitrobenzene, bbls..... lb. .16 - .21¾
Dinitrochlorobenzene, dms..... lb. .14 - .17
Dinitrophenol, bbls..... lb. .22 - .26¾
Dinitrotoluene, oily, dms..... lb. .07 - .08½
refd., dms..... lb. .17¾- .18¾
Dinonylnaphthalene, tanks, works. lb. .15 - —
Dioctyl phthalate, dms., c.l., frt. alld. lb. .433 - —
l.c.l., frt. alld..... lb. .443 - —
tanks, frt. alld..... lb. .418 - —



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DDT (Government Specifications)

ERGOSTEROL (Non-Irradiated)

TRICRESYL PHOSPHATE

MONTROSE Chemical Company
LISTER AVENUE, NEWARK, NEW JERSEY

SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N.Y. TRIBUNE TOWER, CHICAGO, ILLINOIS

Diorthotolylguanidin, dms., ton lots, divd.	lb.	.48	—
smaller lots, divd.	lb.	.50	—
Dioxan, dms., c.l., frt. alld.	lb.	.25	—
l.c.l., same basis	lb.	.25½	—
tanks, same basis	lb.	.23½	—
Dip oil (see Tar acid oil).			
Dipentene, dest.-dist., dms., incl., c.l., works, South	gal.	.35	.53
l.c.l., same basis	gal.	.36	.55
N. Y. whse.	gal.	.50	—
steam-dist., dms., c.l., whse., NYC.	gal.	.59	—
l.c.l., same basis	gal.	.73	.82
Diphenyl, bbls. c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	.20
Oxide, perfume grade, cns.	lb.	.48	.61
dms.	lb.	.45	.56
Diphenylamine, bbls	lb.	.25	—
Diphenylguanidin, dms., ton lots.	lb.	.35	—
smaller lots		.40	—
Ditertiarybutylmetacresol, dms., c.l., works.	lb.	.29	—
l.c.l., works	lb.	.30	—
Ditertiarybutylparacresol, dms. c.l., works.	lb	.94	—
l.c.l., works	lb	.95	—
Divi-divi 43% tannin, bgs., bls., c.l., U.S. ports, ex dock	ton	64.00	-66.00
Divinylbenzene, 18%, dms., c.l., wks.	lb.	.25	—
l.c.l., works	lb.	.26	—
tanks, works	lb.	.24	—
40%, dms., c.l., works	lb.	.69	—
l.c.l., works	lb.	.70	—
Doggrass root, dom., cut, bls.	lb.	.20	.22
imp., NF, cut, bls.		.30	.32
Dogwood, Jamaica, bark, bls	lb.	.12	.14
Dragon's blood, drops, cs.	lb	.45	.47
mass, cs	lb	1.50	- 1.55
reeds cs		No stocks	

Dyes, coaltar, certified colors for foods, drugs and cosmetics, 5-lb. and 1-lb. lots:—

Blue, FD&C, No. 1, cns.	lb	15.75	-16.30
No. 2, cns.	lb	15.75	-16.30
Green, FD&C, No. 1, cns.	lb	20.55	-21.15
No. 2, cns.	lb	32.65	-33.25
No. 3, cns.	lb	3.40	- 3.50
Orange, FD&C, No. 1, cns.	lb	4.30	- 4.40
No. 2, cns.	lb	7.00	- 7.25
Red, FD&C, No. 1, cns.	lb	3.70	- 3.80
No. 2, cns.	lb	20.55	-21.15
No. 3, cns.	lb	6.65	- 6.95
No. 4, cns.	lb	4.90	- 5.00
No. 32, cns.	lb	9.70	-10.25
Yellow, FD&C, No. 1, cns.	lb	3.10	- 3.15
No. 3, cns.	lb	3.10	- 3.15
No. 4, cns.	lb	3.70	- 3.80
No. 5, cns.	lb	3.70	- 3.80
No. 6, cns.	lb		

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb lots:—

Black, D&C, No. 1, cns.	lb	10.10	—
Blue, D&C, No. 4, cns.	lb	13.55	—
Brown, D&C, No. 1, cns.	lb	14.90	—
Green, D&C, No. 5, cns.	lb	14.90	—
No. 6, cns.	lb	14.90	—
No. 7, cns.	lb	13.70	—
Orange, D&C, No. 3, cns.	lb	10.10	—
No. 4, cns.	lb	18.55	—
No. 5, cns.	lb	5.25	—
No. 10, cns.	lb	19.15	—
Red, D&C, No. 8, cns.	lb	3.45	—
No. 9, cns.	lb	3.45	—
No. 10, cns.	lb	2.75	—
No. 11, cns.	lb	2.05	—
No. 12, cns.	lb	2.55	—
No. 17, cns.	lb	10.10	—
No. 18, cns.	lb	25.50	—
No. 21, cns.	lb	4.25	—
No. 22, cns.	lb	10.10	—
No. 28, cns.	lb	22.80	—
No. 33, cns.	lb	16.15	—
Violet, D&C, No. 1, cns.	lb	13.55	—
No. 2, cns.	lb	14.90	—
Yellow, D&C, No. 7, cns.	lb	10.10	—
No. 8, cns.	lb	10.10	—
No. 10, cns.	lb	12.50	—
No. 11, cns.	lb	12.50	—
No. 22, cns.	lb	9.15	—
No. 23, cns.	lb	14.65	—
No. 37, cns.	lb	13.55	—

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb lots:—

Blue, Ext. D&C, No. 1, cns.	lb	14.90	—
Green, Ext. D&C, No. 1, cns.	lb	14.90	—
Red, Ext. D&C, No. 1, cns.	lb	12.50	—
No. 2, cns.	lb	26.40	—
Yellow, Ext. D&C, No. 1, cns.	lb	10.10	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Chrysoidine G	lb.	.53	.55
27 Orange G	lb.	.64	.67
31 Amido naphthol red G	lb.	.53	.56
36 Alizarine yellow 2G	lb.	.74	.76
40 Alizarine yellow R	lb.	.87	.91
57 Amido naphthol red 6B	lb.	.87	.91
79 Ponceau R	lb.	.61	.64
151 Orange II	lb.	.39	.41
165 Red lake C	lb.	1.05	—
176 Red lake A	lb.	.75	.78
179 Azo rubine	lb.	.85	.88
189 Diamond blue 3B	lb.	.83	.88
185 Cochineal red A	lb.	.77	.80
202 Chrome blue black R	lb.	.54	.58
203 Chrome black T	lb.	.59	.62
208 Sulphon acid blue R	lb.	.75	.80
216 Acid alizarin red B	lb.	.69	.72
244 Resorcin brown	lb.	.74	.77
246 Naphthol blue black	lb.	.64	.67
278 Benzo fast red SBL	lb.	2.66	- 2.73
289 Sulphon cyanine 5R extra	lb.	.90	- .94
293 Diamond black F	lb.	1.13	- 1.18
304 Nerol 2B	lb.	1.65	- 1.73
325 Benzo fast orange S	lb.	1.41	- 1.46
332 Bismarck brown R	lb.	.67	- .70
365 Chrysophenine	lb.	1.74	- 1.85
382 Diamine scarlet B	lb.	1.47	- 1.53
401 Diamine black BH	lb.	.52	- .55
406 Benzo blue 2B conc	lb.	.88	- .94
419 Diamine fast red F	lb.	.94	- .97
420 Diamine brown M	lb.	.71	- .76
448 Benzo purpurine 4B	lb.	.88	—
510 Diamine sky blue FF	lb.	1.82	—
561 Triosiphon brown B	lb.	1.45	—
581 Direct deep black EW extra	lb.	.67	—
593 Diamine green B	lb.	.80	—
598 Congo brown G	lb.	1.20	—
620 Sun yellow	lb.	.69	—
639 Xylene light yellow	lb.	1.45	—
640 Tartrazine	lb.	1.20	—
655 Auramine	lb.	1.52	—
657 Malachite green	lb.	1.75	—
662 Brilliant green	lb.	2.30	—
667 Brilliant milling green B	lb.	3.03	—
671 Glaucine	lb.	1.43	—
680 Methyl violet B	lb.	.95	—
681 Crystal violet	lb.	1.91	—
698 Formyl violet S4B	lb.	1.41	—
720 Chrome azurol B	lb.	3.05	—
729 Victoria blue B	lb.	2.48	—
737 Wool green S	lb.	1.98	—
749 Rhodamine B	lb.	3.85	—
814 Chloramine yellow	lb.	2.33	—
841 Safranine	lb.	2.17	—
862 Nigrosine WSJ 78	lb.	.56	—
922 Methylene blue GXX	lb.	1.28	—
968 Hydron blue R	lb.	.67	—
978 Sulphur black T extra	lb.	.26½	—
1027 Alizarin VI	lb.	.64	—
1034 Alizarin red S	lb.	2.30	—
1054 Alizarin saphirol B	lb.	2.40	—
1078 Alizarin cyanine green	lb.	2.42	—
1085 Alizarine blue black B	lb.	2.13	—

1096 Indanthrene golden orange G, single paste.	lb.	1.81	—
double paste	lb.	3.62	—
1099 Indanthrene dark blue BO, single paste.	lb.	1.45	—
1101 Caledon jade green	lb.	2.32	—
1106 Indanthrene blue RS, single paste.	lb.	2.12	—
double paste	lb.	2.13	—
1113 Indanthrene blue GCD, double paste.	lb.	1.60	—
1150 Indanthrene olive R, single paste.	lb.	1.08	—
1151 Indanthrene brown R, single paste.	lb.	1.65	—
double paste	lb.	3.29	—
1212 Indanthrene red violet RH, single paste.	lb.	1.54	—
1217 Helindon orange R, single paste.	lb.	1.57	—
p-4 Acid anthracine brown PG.	lb.	2.30	—
p-14 Anthracene chromate brown EB.	lb.	1.08	—
p-21 Benzo fast black L	lb.	1.80	—
p-80 Diazo brilliant scarlet ROA	lb.	2.61	—
p-292 Zambesi black V	lb.	.90	—
p-244 Celliton scarlet B	lb.	1.37	—
p-313 Naphthol AS-SW	lb.	2.74	—

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works at warehouse.

Black, blue, No. 550	lb.	.67	—
Jet, No. 551	lb.	.72	—
Brown, R, conc	lb.	1.14	—
Orange R, brilliant	lb.	.73	—
Red, 4 B, conc	lb.	1.13	—
Yellow, C	lb.	.96	—
FN, conc.	lb.	1.09	—

Dyes, coaltar, for stains, spirit-soluble, same basis

Auramine, O	lb.	1.54	—
Black, basic, blue	lb.	1.00	—
Jet	lb.	1.00	—
Blue, methylene, 2 B, conc.	lb.	1.33	—
Brown, Bismarck, R, conc.	lb.	.70	—
Chrysoidine, R, extra	lb.	.50	—
Y, extra	lb.	.54	—
Fuchsine, conc	lb.	2.63	—
Green, Malachite, conc.	lb.	1.70	—
Rhodamine, B	lb.	4.37	—
Safranine, Y, conc.	lb.	2.19	—
Violet, methyl, B	lb.	.99	—

Dyes, coaltar, for stains, water-soluble, same basis

Black, acid blue, B, extra	lb.	.67	—
Orange, acid, Y, conc.	lb.	.40	—
Rhodamine, azo-, R, extra, conc.	lb	.78	—
Scarlet, croceine, MOO	lb.	1.28	—
Yellow, azo-, conc.	lb.	.89	—
Fast light, 3 G, extra	lb.	1.85	—
Methanil, conc.	lb.	.77	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls.	lb.	.45	- .60
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls.	lb.	.91	- 1.00
tanners, bbls.	lb.	.06	- .07
Elder flowers, bright, bls.	lb.	.45	- .50
Elecampane root, bls.	lb.	.27	- .28

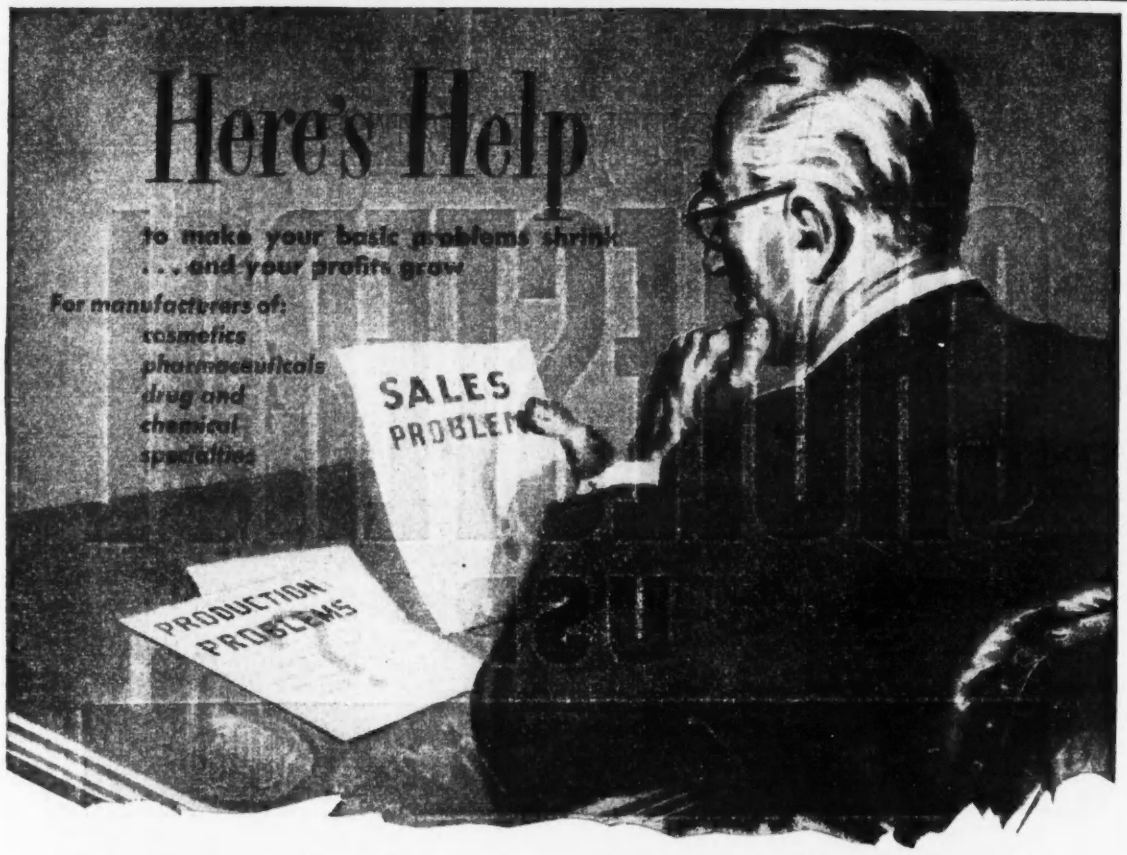
Diorthotolyguanidin—Ether, Butyric

Elm bark, grinding, bls.	lb.	.33	- .38
powd., bbls., bxs.	lb.	.48	- .54
select, bndls.	lb.	.65	- .70
Emetine hydrochloride, bots.	oz.	42.50	-48.00
Ephedra herb, bls.	lb.	.20	- .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs.	oz.	.84	—
hydrous, bots., 100 ozs.	oz.	.78	—
Hydrochloride, tin, 100 ozs.	oz.	.60	—
Sulphate, cryst., tins, 100 ozs.	oz.	.60	—
powd., tins, 100 ozs.	oz.	.58	—
Epichlorohydrin, dms., c.l., works.	lb.	.36½	—
l.c.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots.	gram	.60	- .70
Epsom salt, tech., bgs., c.l.	100 lbs.	2.30	—
l.c.l.	100 lbs.	3.05	—
USP, cryst., bgs., c.l.	100 lbs.	2.50	—
l.c.l., 5,000 lbs., 1 withdrawal,	100 lbs	3.25	—
smaller lots	100 lbs.	3.50	—

Epsom salt prices freight equalized: Baltimore, Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.

Ergot, USP, cns.	lb.	1.20	- 1.25
Eserine, bots.	oz.	55.00	-56.00
Sulphate, bots.	oz.	60 00	-61.00

Ether, acetic (see Ethyl acetate).			
Amyl, dms., c.l., works	lb.	.095	—
l.c.l., works	lb.	.102	—
tanks, works	lb.	.085	—
Butyl, dms., c.l., divd.	lb.	.30½	—
l.c.l., divd.	lb.	.31	—
tanks	lb.	.29	—
Butyric (see Ethyl butyrate).			



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Ether Dichloroethyl—Glue, Hide

Ether, dichloroethyl, purif., dms., works..lb. .16½- —
l.c.l., same basis..lb. .17 - —
tanks, same basis..lb. .15 - —
Ethyl (see Ether, sulphuric).
Isopropyl, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd..lb. .06½- —
tanks, dlvd..lb. .04½- —
Nitrous, conc., bots., 100 lbs..lb. .98 - 1.10
Sulphuric, conc., dms..lb. .18 - .23
USP, anesthesia, hospital, cns..lb. .75 - 1.03
synthetic, dms., c.l., frt. alld..lb. .13½- —
l.c.l., same basis..lb. .14½- —
tanks, same basis..lb. .12 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .17½- —
l.c.l., frt. alld..lb. .18½- —
tanks, frt. alld..lb. .16 - —
95-98%, dms., c.l., frt. alld..lb. .17¾- —
l.c.l., frt. alld..lb. .18¾- —
tanks, frt. alld..lb. .16¼- —
99%, dms., c.l., frt. alld..lb. .18 - .18¼
l.c.l., frt. alld..lb. .18 - .18¼
tanks, frt. alld..lb. .16½- .16¾
NF, dms..lb. .30 - —
synthetic, 85-90%, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld..lb. .14½- —
tanks, frt. alld..lb. .12 - —
95-98%, dms., c.l., frt. alld..lb. .13¾- —
l.c.l., frt. alld..lb. .14¾- —
tanks, frt. alld..lb. .12¼- —
99%, dms., c.l., frt. alld..lb. .14¾- —
l.c.l., frt. alld..lb. .15¾- —
tanks, dlvd..lb. .13¾- —
Ethyl acetoacetate, dms., c.l., works..lb. .41½- —
l.c.l., works..lb. .42½- —
tanks, works..lb. .40½- —
Benzoate, bots..lb. .60½- .66
Betaethoxypropionate, dms., works..lb. .70 - —
Bromide, tech., 98%, dms..lb. .36 - .40
Butyrate, bgs..gal. 4.75 - —
cns., works..lb .65 - .70
dms., works..lb .60 - —
Carbamate, dms., dlvd. E..lb. .58 - —
Chloride, tech., tanks..lb. .13½- —
USP, bbls., cyl..lb. .20 - .22
Cinnamate, cns..lb. 2.50 - 3.00
Formate, dms..lb. .28 - —
Iodide, bots..lb 4.08 - 4.27
Lactate, dms., works..lb. .41 - —
Methycrylate, M 2, dms., works..lb. .60 - —
cns., works..lb. .63 - .67
P-2, cns., works..lb. .65 - —
Myristate, dms., works..lb. No prices
Oenanthate, dms..lb. 2.60 - 3.25
Oleate, dms, l.c.l., works..lb. .75 - —
Oxalate, dms., frt. alld..lb. .53 - —
Silicate, dist. (see Tetraethyl orthosilicate)
40% available SiO_2, dms., works..lb. .50 - —
Ethylaiphanaphthylamine, bbls..lb. .80 - —
Ethylanilin, dms..lb. .60 - —
Ethylcellulose fib. dms., 5,000 lbs., works..lb. .52 - —
smaller lots, works..lb. .54 - .62
Ethyldiethanolamine dms. l.c.l. works..lb. .80 - —
Ethylene dichloride, dms., c.l., works frt. alld. E. of Rockies..lb. .09 - —
W of Rockies..lb. .09½- —
l.c.l., works, frt. alld. E. of Rockies..lb. .11½- —
W of Rockies..lb. .12 - —
smaller containers..lb. .12½- —
tanks, frt. alld. E. Rockies..lb. .08 - —
W of Rockies..lb. .08½- —
Oxide, dms., c.l., works..lb. .20 - .21
l.c.l., works..lb. .21 - .22
tanks, works..lb. .13 - .16
Trichloride (see Trichloroethane).
Ethylenediamine, tanks, works..lb. .80 - —
Ethyleneglycol, dms., c.l., frt. alld. E..lb. .15 - —
l.c.l., same basis..lb. .16 - —
tanks, same basis..lb. .13½- —
Diethylether, dms., l.c.l., works..lb. .50 - —
Monobutylether, dms., c.l., works..lb. .21½- —
l.c.l. works..lb. .22 - —
tanks, works..lb. .20 - —
Monoethylether, dms., c.l., works..lb. .18 - —
l.c.l., works..lb. .18½- —
tanks, works..lb. .16½- —
Monoethylether acetate, dms., c.l., works..lb. .16½- —
l.c.l., works..lb. .17 - —
tanks, works..lb. .15 - —
Monomethylether, dms., c.l., works..lb. .19½- —
l.c.l., works..lb. .20 - —
tanks, works..lb. .18 - —
Monomethylether acetate, dms., c.l., works..lb. .24½- —
l.c.l., works..lb. .25 - —
tanks, works..lb. .23 - —
Ethylethanolamines, mixed, dms., c.l., works..lb. .82 - —
l.c.l., works..lb. .83 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz. 1.85 - —
Ethylorthotoluidine, bbls..lb. .80 - —
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots..lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms..lb. 1.95 - 4.60
Eucalyptus leaves, bls..lb. .12 - .13
Eugenol, prime USP..lb. 1.85 - 3.25
Euphorbia, pil., herb, bls..lb. .15 - .16

F

Feldspar, enamel, 100 mesh bgs., works, ton 17.00 - 20.50
bulk, c.l., works..ton 14.00 - 17.50
Glass, 20 mesh bgs., tons, works, ton 12.75 - 16.25
bulk, c.l..ton. 9.75 - 12.25
Feldspar, pottery, bulk, c.l., works..ton 17.00 - 19.00
bgs., l.c.l., 2 tons, works..ton 20.00 - 22.00
Fennel seed, Argentine, bgs..lb. 08½- .09
Indian, bgs..lb. .14 - .14½
Fenugreek, domestic, bgs..lb. .10 - .10½
Indian bgs..lb. .10 - .10½
futures, bgs..lb. .09½- .10
Moroccan, bgs., futures..lb. .07 - .07¼
Ferric sulphate (see Iron sulphate, ferric)
Film scrap, colored, cs., works..lb. .13 - —
water-white, cs., works..lb. .14 - —
Fir balsam, Canada, cns..gal. 32.50 - 33.00
Oregon, bbls..gal. 2.25 - 2.50
Fishberries, bgs..lb. 24 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area..ton 120.00 - —
65% protein, bgs., Balto. area..ton 125.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area..ton 110.00 - 115.00
Flaxseed, black, bgs..lb. .50 - .55
blonde, bgs..lb. .22 - .23
Husks, bgs..lb. .65 - .70
Fluorspar, acid grade, bgs., c.l., mines, ton 47.50 - —
l.c.l., mines..ton 49.50 - —
bulk, contract, c.l., mines..ton 42.00 - —
noncontract c.l., mines..ton 45.00 - —
l.c.l., mines..ton 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines, net..ton 39.00 - 41.00
washed gravel, 70% or more, CaF_2, bulk, c.l., mines..ton 35.00 - 37.00
65%, bulk, c.l., mines..ton 31.00 - 33.00
60%, bulk, c.l., mines..ton 33.00 - 35.00
less than 60% bulk, c.l., mines..ton 32.00 - 34.00
Formaldehyde, inhibited, bbls., c.l., works..lb. 0635- —
l.c.l., works..lb. 0715- —
dms., extra, c.l., works..lb. 0595- —
l.c.l., works..lb. 0655- —
tanks, works..lb. 0420- —
tankfrucks, dlvd., N.Y.C..lb. 0415- —
uninhibited, tanks, works..lb. 0400- —
Fringetree bark, bls..lb. .53 - .55
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton 20.00 - —
Tex., mines..ton 27.00 - —
spent, bulk, Bayonne..ton 2.00 - 4.00
imp., bgs., c.l..ton 30.00 - 40.00
Furfural, tech., dms., c.l., works..lb. 13 - —
dms., cns., l.c.l., works..lb. 13½- 20½
tanks, works..lb. 09½- —
Fuel oil, refined, dms., c.l..lb. 2.65½- —
l.c.l..lb. 3.05½- —
tanks..lb. 28 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. 42½- —
No. 1A, bbls., l.c.l..lb. .41½- —
No. 2, bbls., l.c.l..lb. .40½- —
No. 3, bbls., l.c.l..lb. .38½- —
Liquid, No. 0, bbls., l.c.l..lb. 22 - —
No. 1, bbls., l.c.l..lb. .20½- —
No. 2, bbls., l.c.l..lb. .19½- —
No. 3, bbls., l.c.l..lb. 17 - —
solid, No. 1, bxs., l.c.l..lb. 28 - —

G

G salt, bbls..lb. .08 - —
Galangal root, bls..lb. .13 - .14
Gambier, plantation, bgs., ex dock..lb. .21 - .24
Extract, bbls..lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb 1.35 - —
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks..gal. .1075- —
Bayonne, 74 octane, tanks..gal. .118 - —
Gulf coast, 73-75 octane, tanks, gal. .105 - .11
Group 3, 73-75 octane, tanks..gal. .105 - .1275
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks, gal. .1175- .12
natural, 26-70, octane, group 3, tanks, gal. .085 - —
Gelatin, silver label, ctns., dlvd..lb. 1.25 - —
export, cs..lb 1.35 - —
Gelatin price 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo
Gelsemium root, bls..lb. .35 - .40
Gentian root, bls..lb. .14 - .15
grd., bbls., bxs..lb. .17 - .18
powd., bbls., bxs..lb. .18 - .19
Geraniol, 92-98% cns., dms..lb. 3.10 - —
prime..lb. 2.50 - —
Geranyl acetate, cns..lb. 3.15 - 3.30
Ginger, oleoresin, bots..lb. 4.25 - 4.75
Root, African, bls..lb. .15½- .16
Cochin, bleached, bgs..lb. No stocks
unbleached, bgs..lb. .22½- .23
Jamaica, No. 1 bgs..lb. No stocks
No. 2, bgs..lb. .24½- .25
No. 3, futures..lb. .23½- .24
Rhation, bgs..lb. .22 Nom.
Glauber's salt, anhyd. (see Soda sulphate)
cryst., bgs., works..100 lbs. 1.25 - 1.75
l.c.l., bgs., works..100 lbs. 1.75 - 2.10
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest..lb. .21 - .24
36/50, bgs., c.l., same basis..lb. .22 - .26
48/82, bgs., c.l., same basis..lb. .23 - .26
82/108, bgs., c.l., same basis..lb. .25 - .27
Bone glue, l.c.l. prices, 1c. higher than c.l.
ground, 40-45 jellygrams, bgs., c.l., (50,000 lbs.), dlvd..lb. .23 - —
l.c.l., same basis..lb. .24 - —
pulverized, 60 jellygrams, bgs., c.l., (50,000 lbs.), same basis..lb. .25½- —
l.c.l., same basis..lb. .26½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd..lb. .25 - .27
122-149, bgs., c.l., dlvd..lb. .25 - .29
150-177, bgs., c.l., dlvd..lb. .25 - .29
178-205, bgs., c.l., dlvd..lb. .26 - .30
206-233, bgs., c.l., dlvd..lb. .27 - .31
234-260, bgs., c.l., dlvd..lb. .28 - .33
261-288, bgs., c.l., dlvd..lb. .29 - .33
289-316, bgs., c.l., dlvd..lb. .30 - .34
317-343, bgs., c.l., dlvd..lb. .31 - .35
344-371, bgs., c.l., dlvd..lb. .32 - .36
372-399, bgs., c.l., dlvd..lb. .33 - .37
400-427, bgs., c.l., dlvd..lb. .34 - .38
428-460, bgs., c.l., dlvd..lb. .35 - .39
461-494, bgs., c.l., dlvd..lb. .36 - .40
495-529, bgs., c.l., dlvd..lb. .36 - .40
Hide glue l.c.l. prices 1c. higher than c.l. lots, 1gc. more than bgs.

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Vitamin D Concentrate from Fish Liver Oil
Irradiated Ergosterol (Vitamin D_2) in Oil
Combinations of Vitamin A with "Natural" D or Irradiated Ergosterol
Vitab* Rice Bran Concentrate
Calcium Pantothenate Dextrorotatory — NOPCO
dl-Calcium Pantothenate — NOPCO

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NOPCO EVOLVED THRU RESEARCH

Glycerin, crude, saponification, 88% to refiners, tanks, dlvd..lb. .28 - .30
soaplye, 80%, tanks, dlvd.....lb. .27 - .31
dynamite, dms., c.l., dlvd.....lb. .39½ - .40½
L.c.l., dlvd. .....lb. .40 - .40¾
tanks, dlvd. .....lb. .39½ - .40
high gravity, dms., c.l.....lb. .39¾ - .40¼
L.c.l. .....lb. .40 - .40¾
tanks .....lb. .39½ - .40
refined, EP, 98%, dms., c.l.....lb. .39¾ - .41½
tanks .....lb. .39½ - .41¼
USP, 95%, dms., c.l.....lb. .39½ - .41¼
L.c.l. .....lb. .40 - .41¾
tanks .....lb. .39½ - .40
yellow, distilled, dms., c.l.....lb. .39¾ - .40½
L.c.l. .....lb. .39¾ - .40¾
Glycine USP (see Acid, aminoacetic).
Glycol borborate, dms.....lb. .22 - —
Stearate, dms. .....lb. .26 - —
Gold chloride, acid-brown, bots.....oz. 22.00 -22.25
acid-yellow, bots. .....oz. 20.00 -20.25
Gold of pleasure seed, bgs.....lb. .40 - .41
Goldenseal root, bls. .....lb. 5.25 - 5.50
powd., bbls. .....lb. 5.50 - 5.75
Gold-sodium chloride, photo, bots..oz. 13.50 -14.00
USP IX, bots.....oz. 14.50 -15.00
Grains of paradise, bgs. .....lb. .33 - .34
Graphite, imported, amorph., powd., bgs., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse..lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse...lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse..lb. .21 - .22
No. 2, whse. .....lb. .20 - —
Grease, house, loose.....lb. .10½ - —
White, choice, loose.....lb. .13½ - —
Wool (see Degras and Lanolin).
Yellow, loose.....lb. .10½ - —
Green, brilliant, thioflavin, toner, molybdic, bgs., works..lb. 4.25 - 4.50
Tungstic, bgs., works.....lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .34½ - —
6-10%, bbls., same basis..lb. .35½ - —
11-15%, bbls., same basis..lb. .36½ - —
16-20%, bbls., same basis..lb. .37 - —
21-25%, bbls., same basis..lb. .38 - —
26-30%, bbls., same basis..lb. .38½ - —
31-35%, bbls., same basis..lb. .38 - —
36-40%, bbls., same basis..lb. .41 - —
41-45%, bbls., same basis..lb. .42½ - —
46-50%, bbls., same basis..lb. .44½ - —
50% and over, bbls., same basis..lb. .45½ - —
reduced color, 5%, bbls., same basis, lb. .10 - —
6-10%, bbls., same basis..lb. .10¾ - —
11-13%, bbls., same basis..lb. .11¼ - —
14-16%, bbls., same basis..lb. .12 - —
17-19%, bbls., same basis..lb. .12¼ - —
20-21%, bbls., same basis..lb. .12¾ - —
21-22%, bbls., same basis..lb. .12¾ - —
23-25%, bbls., same basis..lb. .13 - —
26-27%, bbls., same basis..lb. .13½ - —
28-29%, bbls., same basis..lb. .14 - —
30-31%, bbls., same basis..lb. .15 - —
32-33%, bbls., same basis..lb. .16¼ - —
34-35%, bbls., same basis..lb. .17¼ - —
36-40%, bbls., same basis..lb. .20 - —
41-45%, bbls., same basis..lb. .22½ - —
46-50%, bbls., same basis..lb. .25½ - —
51-55%, bbls., same basis..lb. .27½ - —
56-60%, bbls., same basis..lb. .24 - —
61-65%, bbls., same basis..lb. .25 - —
66-70%, bbls., same basis..lb. .26¼ - —
Chrome green prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1½c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Green, chromium oxide, hydrated, bbls., works..lb. .75 - 1.00
pure, bgs., frt. alld.....lb. .33 - .49
Malachite, thiodavin toner, molybdic, bbls., works..lb. 3.00 - —
Tungstic, bbls., works.....lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works.lb. 4.40 - 5.50
Tungstated, brilliant, bgs.....lb. 3.00 - 4.00
Emerald, bgs.....lb. 2.90 - —
Verdigris (see V).
Dyes (see Dyes, coaltar).
Grindelia robusta herb, bls.....lb. .25 - .30
Guaiac resin, cs.....lb. .48 - .49
Wood, bls .....lb. .35 - .36
Guaiacol, cryst., NF, tins.....lb. No Prices
liquid, NF, bots., cbys.....lb. 1.90 - 1.95
Carbonate, NF, dms.....lb. 2.95 - 3.00
Guarana, powd., cs. .....lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs.....lb. .14 - .14¾
Willie, sorts, J, bgs.....lb. .25 - .30
powdered, USP, bbls. .....lb. .20½ - .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs.....lb. .40 - .45
Camphor (see C).
Copal, Congo, No. 1, bgs.....lb. .25 - .27
No. 2, bgs.....lb. .30 - .32
No. 3, bgs.....lb. .16½ - .17½
Macassar DBB, bgs. .....lb. .20 - .21
MA, bgs. .....lb. .18 - .19
loba C, bgs. .....lb. .26 - .27
Philippine, 1st quality, bgs. ....lb. .24 - .26
2nd quality, bgs. .....lb. .19 - .21
3rd quality, bgs. .....lb. .16 - .18
Dammar, Batavia, AE, cs.....lb. .24½ - .26½
E, cs. .....lb. .17½ - .18½
Singapore, No. 1.....lb. .28 - .29
No. 2, cs. .....lb. .23 - .24
East India, black, bold, bgs. ...lb. .13 - .14½
Brim, bold, bgs. .....lb. .10 - .11½
nubs, bgs.....lb. .08½ - .09½
Elemi, cns. .....lb. .24 - .26
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.....lb. .17 - .17¾
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc..lb. .17 - .17¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs. .....lb. .98 - 1.00
Gamboge, pipe, cs.....lb. 1.70 - 2.00
powd., bbls. .....lb. 1.95 - 2.25
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs. .....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, No. 1.....lb. .48 - .49
No. 2.....lb. .40 - .44
No. 3.....lb. .34 - .35
No. 4.....lb. .31 - .32
No. 5.....lb. .29 - .30
No. 6.....lb. .27 - .28
Kauri, bgs. .....lb. .31½ - .32¼
Locust bean, powd., bgs.....lb. .35 - .37
Mastic, cs. .....lb. 2.25 - —
Myrrh, cs. .....lb. .35 - .38
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs. .....lb. .22 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. .....lb. 1.20 - 1.45
Gum, scammony, cs.....lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.60 - 3.70
No. 2, cs.....lb. 3.20 - 3.25
No. 3, cs.....lb. 2.55 - 2.50
powdered, USP, bbls.....lb. 1.25 - 1.45
Yacca, bgs. .....lb. .06 - .07
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald., ton 22.65 - —
Harlem river, N. Y., frt. equald. ton 28.25 - —
Medicine Lodge, Kan., frt. equald..ton 17.00 - —
New Brighton, N. Y., frt. equald. ton 30.65 - —
Southard, Okla., frt. equald..ton 17.00 - —
Sweetwater, Tex., frt. equald. ton 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald..ton 12.50 - —
Blue Rapids, Kans., frt. equald ton 10.50 - —
Harlem river, N. Y., frt. equald. ton 12.00 - —
Medicine Lodge, Kan., frt. equald...ton 12.50 - —
New Brighton, N. Y., frt. equald. ton 18.60 - —
Southard, Okla., frt. equald..ton 12.50 - —
Sweetwater, Tex., frt. equald... ton 12.50 - —
Stucco, paper bgs., c.l., Acme, Texas, frt. equald..ton 8.00 - —
Akron, N. Y., frt. equald..ton 8.00 - —
Blue Rapids, Kans., frt. equald. ton 8.00 - —
Gypsum, stucco, paper bgs., Clarence Center, N. Y., frt. equald..ton 8.00 - —
Fort Dodge, Iowa, frt. equald. ton 8.00 - —
Grand Rapids, Mich., frt. equald..ton 8.00 - —
Gypsum, Ohio, frt. equald..ton 8.00 - —
Harlem river, N. Y., frt. equald. ton 8.00 - —
National City, Mich., frt. equald..ton 8.00 - —
New Brighton, N. Y., frt. equald. ton 8.00 - —
Plasterco, Ga., frt. equald..ton 8.00 - —
Portsmouth, N. H., frt. equald. ton 8.00 - —
Roton, Texas, frt. equald..ton 8.00 - —
Saltville, Va., frt. equald..ton 9.00 - —
Southard, Okla., frt. equald.ton 8.00 - —
Sweetwater, Texas, frt. equald. ton 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works..ton 22.50 - —
New Brighton, N. Y., works... ton 21.00 - —

H

Hawthorn berries, bgs.....lb. .85 - .87
Heliotropin, cryst., cns.....lb. 3.10 - 3.45
Hellebore, white, powd., bbls.....lb. .40 - .45
Helonias root, bls. .....lb. 1.85 - 1.90
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .45½ - —
No. 1, bbls., l.c.l.....lb. .44½ - —
No. 1A, bbls., l.c.l.....lb. .41½ - —
No. 2, bbls., l.c.l.....lb. .40½ - —
No. 3, bbls., l.c.l.....lb. .38½ - —
No. 4, bbls., l.c.l.....lb. .36½ - —
No. 5, bbls., l.c.l.....lb. .34½ - —
paste, No 1, bbls., l.c.l.....lb. .19 - —
No. 2, bbls., l.c.l.....lb. .18 - —
No. 3, bbls., l.c.l.....lb. .17 - —
No. 4, (red), bbls., l.c.l.....lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .70 - .75
Henna leaves, bls.....lb. .21 - .23
powd., bbls., bgs.....lb. .25 - .27
Heptane, industrial, tanks, group 3, gal. .12½ - .13¾
Hexalin (see Cyclohexanol).
Hexaethyl tetraphosphate, cns., works. lb. 1.25 - —
dms., c.l., works.....lb. .80 - —
l.c.l., works. .....lb. .90 - 1.00
Hexamethylene-tetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .20 - —
smaller lots, same basis.....lb. .27 - —
USP, dms., 500 lbs. or more, same basis..lb. .37 - —
smaller lots, same basis.....lb. .38 - —
Hexane, industrial, tanks, group 3, gal. .13½ - .14¼
Hexanol, normal, dms., c.l., works..lb. .27½ - —
l.c.l., works.....lb. .28 - —
tanks, works.....lb. .26 - —

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TEXACO OUTBOARD GEAR LUBRICANT
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TEXACO, always alert, was quick to see the WIRZ collapsible metal tube with improved grease tip would prove a boon to outboard motor enthusiasts. The new nozzle prevents backfire, cuts time and lubrication losses, increases convenience in use. Tapered and long enough for most outboard motors, the improved grease tip fits snugly, makes outboard lubrication safer, simpler, speedier. Will fit into opening diameters from 19/64" to 13/32". The molded plastic closure picks up the attractive red of the Texaco Star. The new package with its increased convenience feature won instant favor.

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Histidine Hydrochloride—Lime, Chemical

Histidine hydrochloride—l, fib. dms., works, 50 kilos..kilo.120.00 - —
1-5 kilos. .....kilo.130.00 - —
Hematropine, hydrobromide, bots...oz.15.00 -25.00
Hydrochloride, bots. .....oz.20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton 6.50 - 7.00
Hops, NF, bls. .....lb. .45 - .50
Horehound, bls. .....lb. .12 - .13
Hydrangea root, bls.....lb. .14 - .17
Hydrastine, bots.....oz.53.50 -53.80
Sulphate, bots.....oz.53.50 -53.80
Hydrastinine, 10-grain bots. .....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide dms., fib. cns., works, lb. .30 - .40
Hydrogen peroxide, USP, bbls.....lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal..lb. .17½- .19½
35%, cbys., same basis.....lb. .25½- —
dms., c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21½- —
tanks .....lb. .19½- —
Hydroquinone, bbls., dms. .....lb. .90 - .94
Hydroxycitronellal, cns. .....lb. 6.50 - 7.50
Hyoscine hydrobromide, bots. .....oz.34.00 -38.00
Hyoscyamine, bots. .....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots. .....oz.14.00 -19.50
Hypermic extract, cryst., No 1, bbls., l.c.l..lb. .52½- —
No. 2, bbls., l.c.l.....lb. .44½- —
liquid, No. 1, bbls., l.c.l.....lb. .28½- —
No. 2, bbls., l.c.l.....lb. .23½- —
solid, No. 1, bxs., l.c.l.....lb. .41 - —
Hyssop herb, bgs.....lb. .45 - .50
Leaves, bgs .....lb. .55 - .60

I

Iceland moss, bgs. .....lb. .40 - .50
Ichthammol, NF, bots. .....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.80
synth., paste, bots. .....lb. .16½- .19
powd., bbls. .....lb. .74½- .85
Indol, CP, bots. .....lb.18.00 -23.00
Inositol, tins, dlvd. .....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse., Staten Island..lb. 1.720 - —
resubl., bots., jars.....lb. 2.35 - 2.45
Iodoform, dms., kgs. .....lb. 4.30 - 4.74
Ionone, alpha, cns. .....lb. 5.15 - 6.00
beta, cns. .....lb. 8.60 -10.00
Methyl (see M).
IPC, bots., 1-5 lbs.....lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point...lb. 2.30 - 2.50
50 lbs., ship't point.....lb. 2.40 - 2.52
10-25 lbs., ship't point.....lb. 2.50 - 2.54
Ipecac root, bgs. .....lb. 4.60 - 4.70
powd., bgs. .....lb. 4.85 - 4.95
Irish moss, bleached, prime, bls.....lb. .18 - .19
Iron acetate, liquor, 28°, bbls., c.l., works..lb. .09 - —
l.c.l., works. .....lb. .09¾- —
solut., USP IX, cbys.....lb. .16 - —
djns. .....lb. .17 - —
Iron chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 5.75 - —
l.c.l., works .....100 lbs. 6.50 - 7.50
cryst., tech., bbls., works...100 lbs. 5.00 - 6.00
l.c.l. bbls, works.....100 lbs. 5.50 - 8.00
USP X, lump, bbls.....lb. .07½- .08
solut., 42 Be, cbys., works, frt. alld. or equald..lb. .06 - .06½
Citrate, gran., dms.....lb. .77 - .79
Glycerophosphate, N.F., powd...lb. 4.35 - —
Hypophosphite, dms. .....lb. 2.40 - —
Iodide, bots.....lb. 3.48 - 3.63
Naphthenate, 6% Fe, dms., dlvd..lb. .21 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
Phosphate, soluble, NF, gran., cs.lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms...lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms.....lb. .22 - —
Stearate, dms., c.l.....lb. .43 - —
ton lots.....lb. .44 - —
less ton lots.....lb. .45 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton 52.50 - —
l.c.l., works .....ton 57.50 - —
partially hydrated, bgs., c.l., works..ton 28.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms.....lb. .09½- .10
Iron by hydrogen, kgs.....lb. .80 - .85
Iron-ammonium citrate, brown, green, gran., dms...lb. .55 - .58
Oxalate, dms. .....lb. .25½- .28½
Iron-potassium oxalate fine gran., dms., ...lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms. .....lb. .25½- .28½
Isobornyl acetate, cns.....lb. .97 - 1.10
Isobutyl acetate, cns.....lb. .97 - 1.25
Methacrylate, M-5, dms., works...lb. .60 - —
cns., works .....lb. .63 - .67
F-5, cns., works.....lb. .60 - —
Propionate, cns. .....lb. No prices
Thiocyanoacetate, dms., c.l., works, gal. 3.85 - —
l.c.l., works .....gal. 3.85 - 4.05
tanks, works .....gal. 4.23 - —
Isobutyraldehyde, dms., works.....lb. .33 - .36
Isoeugenol, extra, cns.....lb. 3.20 - 4.00
cbys., extra .....lb. 3.10 - 3.35
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works.....lb. .29½- —
l.c.l., works .....lb. .24 - —
tanks, works .....lb. .22 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld, E. of Rockies..lb. .13½- —
l.c.l., same basis.....lb. .14 - —
tanks, same basis.....lb. .12 - —
Alcohol (see Alcohol, isopropyl).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works.....lb. .37 - —

J

Jaborandi leaves, bls.....lb. .15 - .20
Jalap root, NF, bls.....lb. .47 - .50
powd., bbls., bxs.....lb. .50 - .60
Resin, powd., bxs.....lb. 7.15 - 7.25
Juniper berries, bgs.....lb. .10 - .16
Tar, USP, dms.....lb. .40 - .65

K

Kamala, powd., cns.....lb. .35 - .40
Kaolin (see Chine clay).
Kava kava root, bls.....lb. .27 - .28
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. 00625 - —
Bayonne, 41-43 w.w., tanks... gal. .103 - —
California, 40-43 w.w., tanks..gal. .1115- .1250
Gulf ports, 41-43, w.w., tanks..gal. .0925- .095
Okla.-Tex., 41-43, w.w., tanks..gal. .0950- .0975
Penn., 45 w.w., tanks.....gal. .1125- .13
47 w.w., tanks.....gal. .125 - .14
Kola nuts, bgs. .....lb. .06½- .07
Kyanite, imp., low iron content, 10-mesh, whse..ton 85.00 -95.00
calcined, grain, 10-mesh, whse..ton 95.00 -105.00

L

Ladyslipper root, bls. .....lb. 1.65 - 1.70
Lanolin, anhyd., cosmetic, dms., works, lb. .22 - .24
pharmaceutical, USP, dms., works, lb. .20 - .22
hydrous .....lb. .18 - .20
Lard, cash, tres., Chicago.....lb. .20½- .21
Larkspur seed, bgs.....lb. .35 - .40
Laurel berries, bls.....lb. .25 - .26
Leaves, Portuguese, bls.....lb. .07½- .07¾
Greek, bls., futures.....lb. .08 - .08½
Turkish, bls. .....lb. .13½- .14
Lavender flowers, medium, bls.....lb. .66 - —
ordinary, bls. .....lb. .20 - .21
select, bls. .....lb. .70 - .75
Lead acetate, white, crystals, bbls..lb. .23½- —
gran., bbls. .....lb. .26½- —
powd., bbls. .....lb. .26½- —
Arsenate, dealers, basic powder, 6-lb. bgs. or larger, c.l...lb. .24¾- .25
l.c.l. .....lb. .25¾- .26
1-lb. bgs., c.l.....lb. .34 - —
l.c.l. .....lb. .35 - .36
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld..lb. .18½- —
l.c.l., works .....lb. .19½- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.94 - 3.13
Linoleate, solid, 13%, bbls.....lb. .38¾- —
Metal, pigs, prime, N. Y.....lb. .19½- —
E. St. Louis.....lb. .1950- —
Metallic paste, dms., 10,000-40,000 lbs., works..lb. .27½- —
2,000-10,000 lbs., same basis....lb. .28½- —
up to 2,000 lbs., same basis..lb. .30 - —
Naphthenate, liquid, 16% Pb, dms., dlvd..lb. .16¾- —
24% Pb, dms., dlvd.....lb. .23½- —
Nitrate, bbls., c.l.....100 lbs .21½- —
l.c.l .....100 lbs. .22 - —
Oleate, bbls. .....lb. .33 - —
Peroxide, powd., tech., bbls.....lb. .39 - .41
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld..lb. .22½- —
l.c.l., same basis.....lb. .23½- —
97% Pb_3O_4 bbls., c.l., same basis. lb. .22½- —
l.c.l., same basis.....lb. .23½- —
98% Pb_3O_4 bbls., c.l., same basis. lb. .23¾- —
l.c.l., same basis.....lb. .23¾- —
Resinate, precip., 25.8% Pb, dms..lb. .25 - —
Silicate, bgs.....lb. .17 - .17½
Stearate, bbls., c.l.....lb. .49 - .52
ton lots.....lb. .50 - .53
less ton lots.....lb. .54 - .57
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, liquid 16% Pb, dms....lb. .14¾- .15¼
solid, 30% Pb, dms.....lb. .23½- .24
White, basic carbonate, bgs., c.l., ship't point, frt. alld..lb. .26½- —
l.c.l., same basis.....lb. .27½- —
basic silicate, bgs., c.l., ship't point, frt. alld..lb. .17¼- .21¾
l.c.l., same basis.....lb. .17¾- .22¾
basic sulphate, bgs., c.l., ship't point, frt. alld..lb. .15¾- —
l.c.l., same basis.....lb. .16¾- —
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works..lb. .16¾- —
l.c.l., same basis.....lb. .19 - —
unbleached, c.l., same basis....lb. .15¾- —
l.c.l., same basis.....lb. .18 - —
Lemon peel, bls.....lb. .25 - .30
Licorice extract, mass, cns.....lb. .25 - .30
powd., bbls. .....lb. .40 - .42
Root, bls. .....lb. .07 - .08
5-lb. bundles, cs. .....lb. .40 - .45
powd., bbls.....lb. .10½- .11
Lignin extract, tanning grade, bgs., c.l., works..lb. .04¾- —
Lime, agricultural, bulk, works..tons. 9.00 - 9.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.....ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa. .....ton. 9.00 - —
Berkeley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton. 9.00 - —
Carey, Ohio .....ton. 7.00 - —
Cedar Hallow, Pa.....ton. 9.50 - —
Cedar Hallow, Pa.....ton. 9.50 - —
Crab Orchard, Tenn.....ton. 8.50 - —
Eagle Mountain, Va.....ton. 8.50 - —
Farnams, Mass. .....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 9.00 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala. .....ton. 8.50 - —
Knoxville, Tenn.....ton. 8.50 - —
Limedale, Ark.....ton. 8.50 - —

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Manistique, Mich. ton. 8.00 -
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Sherwood, Tenn. ton. 9.39 -
Sherwood, Wis. ton. 8.50 -
Springfield, Mo. ton. 8.00 -
Woodville, Ohio. ton. 9.50 -
York, Pa. ton. 9.00 -
Hydrated, paper bgs., Adams, Mass. ton.11.50 -
Annville, Pa. ton.11.50 -
Bellefonte, Pa. ton.11.50 -
Berkeley, W. Va. ton.10.00 -
Buffalo, N. Y. ton.11.50 -
Carey, Ohio. ton. 9.00 -
Cedar Hollow, Pa. ton.11.50 -
Cub Orchard, Tenn. ton.11.65 -
Eagle Mountain, Va. ton.10.00 -
Eagle, W. Va. ton.11.50 -
Farnams, Mass. ton.11.50 -
Gibsonburg, Ohio. ton. 9.50 -
Hannibal, Mo. ton. 9.50 -
Keystone, Ala. ton.12.25 -
Knoxville, Tenn. ton.11.50 -
Lefley, Miss. ton.10.50 -
Limedale, Ark. ton.10.00 -
Longview, Ala. ton.12.25 -
Manistique, Mich. ton. 9.50 -
Marblehead, Ohio. ton.10.50 -
Mitchell, Ind. ton.10.00 -
Newala, Ala. ton.12.25 -
Petoskey, Mich. ton.10.00 -
Port Island, Mich. ton. 9.00 -
Rapid City, S. Dak. ton.12.00 -
Rockland, Maine. ton. 9.00 -
Ripplemead, Va. ton.10.00 -
Scioto, Ohio. ton. 8.00 -
Sherwood, Tenn. ton.12.14 -
Sherwood, Wis. ton.10.00 -
Springfield, Mo. ton. 9.00 -
Woodville, Ohio. ton. 8.50 -
York, Pa. ton.11.50 -
Spray, paper bgs., Adams, Mass. ton.11.70 -
Annville, Pa. ton.11.50 -
Bellefonte, Pa. ton.11.50 -
Carey, Ohio. ton.11.00 -
Eagle, W. Va. ton.11.50 -
Farnams, Mass. ton. 9.50 -
Gibsonburg, Ohio. ton.10.00 -
Marblehead, Ohio. ton.10.00 -
Rockland, Me. ton.10.00 -
Scioto, Ohio. ton.10.00 -
Woodville, Ohio. ton.10.00 -
York, Pa. ton.11.50 -

Lime salts (see Calcium)

Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bulk, works. ton. 1.40 - —

Linalool, ex bois de rose. lb. 4.50 - 6.95
ex lignaloe wood. lb. 6.50 - 7.00

Linalyl acetate, ex bois de rose, bots. lb. 4.35 - 7.20
ex lignaloe wood, bots. lb. 8.25 - 8.40
ex petitgrain, bots. lb. 5.10 - 6.35

Linden flowers with leaves, bls. lb. .28 - .30
without leaves, bls. lb. .24 - .26

Linseed meal, 34% bulk, Midwest mills ton.59.00 -60.00

Litharge, com'l. powd., bbls., c.l., ship't point, frt. alld. lb. .21½- —
l.c.l., same basis. lb. .22¼- —

Lithium bromide, bbl., works, frt. equald. lb. 1.50 - —
Carbonate, NF, bbls., kgs. lb. 1.10 - 1.15
Chloride, dms. lb. 1.15 - 1.25
Citrate, bbl., dms., kgs. lb. 1.20 - 1.45
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.15 - 1.25

Lithopone, ordinary, bgs., c.l., ship't point. lb. .06¾- —
l.c.l., same basis. lb. .06¾- .06¾
Titanated (high-strength), bgs., c.l. lb. .08½- —
smaller lots. lb. .08½- —
Lithopone prices, Pacific Coast, ½c. per lb. higher.

Liverwort leaves, bls. lb. .85 - .90

Lobelia herb, bls. lb. .65 - .70

Loeckling sulphate, bots., works. oz. 25.50 -38.00

Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
Liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
Solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .41½- .49¾

Lovage root, imp., bls. lb. 1.20 - 1.25

Lupulin, fms. lb. 1.95 - 2.00

Lycopodium, cs. lb. 1.95 - 2.50

M

Mace, No. 1, Sinaw, cs. lb. 1.26 - 1.30
East Indian, bgs., futures. lb. 1.25 - 1.30
Papua, bgs., futures. lb. 1.15 - 1.20
West Indian, bgs. lb. 1.35 - 1.40
broken. lb. 1.10 - 1.15

Madder, Dutch, bgs. lb. .29 - .32

Magnesia, calcined, tech., bbls., works. lb. .29 - —
USP, bbls. lb. .51 - .83

Magnesium arsenate, bgs., cans, works. lb. .20 - .30

Bromide, dms. lb. .90 - 1.00

Carbonate, tech., bgs., c.l., frt. equald. lb. .08 - —
l.c.l., frt., alld. lb. .09 - —
bbls., c.l., frt. equald. lb. .09¼- —
l.c.l., frt. alld. lb. .10¼- —
kgs., c.l., frt. equald. lb. .10½- —
l.c.l., frt. alld. lb. .11½- —
USP, bgs., c.l., frt. equald. lb. .09½- —
l.c.l., frt. alld. lb. .10¾- —
bbls., c.l., frt. equald. lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
kgs., c.l., frt. equald. lb. .11½- —
l.c.l., frt alld. lb. .12½- —

Magnesium carbonate is quoted frt. alld. to N. J., except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald, with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works. lb. .12¾- —
flake, bbls., c.l., works. ton.40.00 - —
l.c.l., works. ton.44.00 -46.00

Fluoride, bbls. lb. .20 - .22

Hydroxide, medicinal, bbls., dms., kgs. lb. .29 - .35

Hypophosphite, dms. lb. 1.50 - —

Laurate, bbls. lb. .46 - .47

Metal, 98.8%, ingots, cs., works. lb. .20½- —
sticks, cs. lb. .34 - .38

Oleate, precip., bbls. lb. .40½- —

Oxide (see Magnesia, calcined).

Peroxide, 15%, dms., works. lb. 1.00 - 1.05

Phosphate, tribasic, NF, bbls. lb. .70 - .77

Silicate (see Talc)

Silicofluoride, bbls., works. lb. .10 - —

Stearate, cns., 2,000 lbs. to c.l. lb. .46 - —
smaller lots. lb. .47 - —

Sulphate (see Epsom salt)

Trisilicate, dms., 1,000-lb. lots. lb. .37 - —
smaller lots. lb. .42 - —

Magnesite, chemical grade, bgs., c.l., mines, Calif. ton.60.00 - —

dead-burnt, bulk, c.l., Chewalan, Wash. ton.27.00 - —

Maleic anhydride, dms., c.l. lb. .30 - —
l.c.l. lb. .31 - —

Malva flowers, black, bls. lb. No stocks
Blue, bls. lb. 1.25 - 1.30

Leaves, bls. lb. .40 - .42

Manaca root, bls. lb. .49 - .50

Mandrake root, bls. lb. .30 - .32

Manganese acetate, dms. lb. .25½- —

Arsenate, bgs. lb. .12 - .12½

Borate, tech., bbls. lb. .16 - .18

Carbonate, bbls. lb. .19 - —

Chloride, anhyd., dms., works. lb. .18 - .19

Dioxide, African, battery, 84½-87%, bbls., 28-40 tons, works. ton.74.00 - —
smaller lots, works. ton.77.00 -82.00
burlap bgs., c.l., works. ton 71.75 - —
l.c.l., works. ton.74.75 -79.79
paper bgs., c.l., works. ton.70.00 - —
l.c.l., works. ton.73.00 - —
85-90%, bbls., c.l., works. ton.74.00 - —
smaller lots, works. ton.77.00 -82.00

Glycerophosphate, fib. dms. lb. 4.25 - —

Hypophosphite, NF, dms. lb. 1.80 - —

Hydrate, bbls., dlvd. lb. .26 - —

Iodide, jars. lb. 5.55 - —

Linoleate, liquid, 4.35% Mn, dms. lb. .35¼- —
solid, precip., 8.2% Mn, bbls. lb. .41½- —

Metal, cs., dlvd. East. lb. .30 - .32

Naphthenate liquid, 6% Mn, dms. lb. .22½- —

Oleate, fused, bbls. lb. .44¾- —

Resinate, fused, 3½% Mn, bbls. lb. .09 - .10½
precip., dms. lb. .16 - —

Manganese sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton.60.00 - —
l.c.l., dlvd. S. E. ton.67.00 - —
feed grade, 80%, bgs. lb. .05½- .07
75%, bgs., c.l., dlvd. S. E. ton.68.50 - —
l.c.l., same basis. ton.75.50 - —

Tallate, liquid, 4% Mn, dms. lb. No prices.
solid, 8% Mn, dms. lb. No prices

Mangrove bark, E. African, 38% tannin, c.l., ex dock. ton.66.00 - —

Manna, flake, large, cs. lb. 1.40 - 1.45
small, cs. lb. .80 - .85

Mannitol, com'l, bbls., works. lb. .38 - .43
reagent, cs., works. lb. .85 - —

Marjoram, Argentine, bls. lb. .14 Nom.
Chilean, bls. lb. .18½- .19
French, bls. lb. .32 - .32½

Matico leaves, bls. lb. .25 - .28

Menadione, USP, bots., works. gram. .10 - —

Menthol, natural, USP, Brazilian, cns. lb. 9.10 - 9.25
synthetic, tech., cns. lb. 6.00 - 6.40
USP, hexo, cns. lb. 8.80 - 9.35

Menthyl salicylate, tins. lb. 4.25 - 4.35

Mercury bichloride (see Corrosive sublimate)
Bisulphate, dms. lb. 2.13 - 2.18
Chloride (see Calomel).
Cyanide, cryst., powd. lb. 3.27 - 3.32
Iodide, red, NF, dms. lb. 4.17 - —
Yellow, NF, fib. dms. lb. 4.27 - —
Metal (see Quicksilver).
oxide, red, NF (see Red precipitate)
yellow, tech. (see Yellow, mercury oxide)
USP, fib. dms. lb. 2.44 - 2.46

Lime, Chemical—Meth

Mesityl oxide, dms., c.l., dlvd. lb. .1
l.c.l., dlvd. lb. .1
tanks, dlvd. lb. .1

Metachloraniline, dms., works. lb. .7

Metacresol, 98%, dms., works. lb. .6

Metanitroparatoluidine, bbls. lb. 1.2

Metanbenylenediamine, kgs. lb. .7

Metatoluidine bbls., works. lb. .8

Metatolylenediamine kgs. lb. .7

Methanol, natural, dms., c.l., frt. alld. gal. .7
l.c.l., frt. alld. gal. .7
tanks, frt. alld. gal. .6

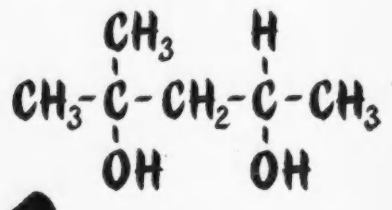
Prices on natural methanol, W. of Miss synthetic, eastern production, Zone 1,
dms., c.l., frt. alld., gal. .3
l.c.l., frt. alld. gal. .4
tanks, frt. alld. gal. .2
zone 2, dms., l.c.l., frt. alld. gal. .4
l.c.l., ex-wise. gal. .4
tanks, frt. alld. gal. .3

Synthetic methanol Zones are: Zone continental U. S., E. of eastern l of Ariz., Idaho, Mont., and Utah. is remainder of the U. S., west state boundaries, comprising Ariz Idaho, Mont., Nev., Ore., Utah, a

Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld. gal. .3
tanks, frt. alld. gal. .2
West of Rockies, dms., c.l., frt. alld. gal. .4
tanks, frt. alld. gal. .3

Methionine-d.l., fib. dms., works, 50 lbs. or more. lb. 8.0
1-49 lbs. lb. 10.0

From SHELL CHEMICAL



Hexylene Glycol

A new plant at Houston, Texas has greatly increased the supply of this valuable solvent

PROPERTIES	
Molecular Weight	118.17
Specific Gravity 20°/4°C	0.9216
Boiling point (760 mm.)	198.27°C
Flash Pt., Cleveland Open Cup	230°F
Vapor Pressure at 20°C.	0.02 mm. Hg
Refractive Index, n_D^{20}	1.4276
Viscosity at 20°C	41.7 centistokes
Weight (pounds per gal. at 20°C)	7.69

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AS A COUPLING AGENT it offers distinct advantages in the formulation of *hydraulic brake fluids* because of its water tolerance, lack of rubber swell and compatibility with castor oil in all proportions. In addition, its chemical stability, viscosity index, lubricating properties and non-corrosiveness are equally satisfactory. HG is also widely used as a coupling agent and emulsion stabilizer in *engine cleaning compounds* and *"soluble" cutting oils.*

AS A SOLVENT its steep vapor pressure curve, good resin solvency and comparatively mild hygroscopicity make it particularly useful in the manufacture of "flash dry" and other types of *printing inks.*

AS A PENETRANT its mildly hygroscopic character, plus notable softening and coupling properties, suggest its use as a component of *yarn lubricants, mercerizing assistants and other textile chemicals.*

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drochloride—l, fib, dms.,
works, 50 kilos..kilo.120.00 - —
kilos, ...kilo.130.00 - —
hydrobromide, bots...oz.15.00 -25.00
de, bots. .....oz.20.00 -22.00
-18% ammonia bulk, c.l.,
Chicago, unit-ten. 6.50 - 7.00
ls. .....lb. .45 - .50
ols. .....lb. .12 - .13
oot, bls.....lb. .14 - .17
bots.....oz.53.50 -53.80
bots.....oz.53.50 -53.80
10-grain bots. .....bot. 1.95 - —
ee Goldenseal).
de dms., fib. cns., works,
lb. .30 - .40
roxide, USP, bbls.....lb. .03¾- .05
oys., E. of Miss. or W.
ast via Panama Canal..lb. .17½- .19¼
., same basis.....lb. .23½- —
.l., same basis.....lb. .20½- —
same basis.....lb. .21½- —
.....lb. .19¼- —
e, bbls., dms. .....lb. .90 - .94
neilal, cns. .....lb. 6.50 - 7.50
drobromide, bots. .....oz.34.00 -38.00
, bots. .....oz.18.00 -20.00
de, bots.....oz.18.00 -19.50
bots. .....oz.14.00 -19.50
tract, cryst., No 1, bbls.,
l.c.l..lb. .52½- —
bbls., l.c.l.....lb. .44½- —
o. 1, bbls., l.c.l.....lb. .28½- —
bbls., l.c.l.....lb. .23½- —
1, bxs., l.c.l.....lb. .41 - —
bgs.....lb. .45 - .50
s .....lb. .55 - .60

I

Iceland moss, bgs. .....lb. .40 - .50
Ichthammol, NF, bots. .....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.80
synth., paste, bots. .....lb. .16½- .19
powd., bbls. .....lb. .74½- .85
Indol, CP, bots. .....lb.18.00 -23.00
Inositol, tins, dlvd. .....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse., Staten
Island..lb. 1.729 - —
resubl., bots., jars.....lb. 2.35 - 2.45
Iodoform, dms., kgs. .....lb. 4.30 - 4.74
Ionone, alpha, cns. .....lb. 5.15 - 6.00
beta, cns. .....lb. 8.00 -10.00
Methyl (see M).
IPC, bots., 1-5 lbs.....lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point...lb. 2.30 - 2.50
50 lbs., ship't point.....lb. 2.40 - 2.52
10-25 lbs., ship't point.....lb. 2.50 - 2.54
Ipecac root, bgs. .....lb. 4.60 - 4.70
powd., bgs. .....lb. 4.85 - 4.95
Irish moss, bleached, prime, bls.....lb. .18 - .19
Iron acetate, liquor, 25°, bbls., c.l.,
works..lb. .09 - —
l.c.l., works. .....lb. .09¾- —
solut., USP IX, cbys.....lb. .16 - —
djns. .....lb. .17 - —
Iron chloride (ferric), anhydr., tech.,
dms., c.l., works..100 lbs. 5.75 - —
l.c.l., works .....100 lbs. 6.50 - 7.50
cryst., tech., bbls., works...100 lbs. 5.00 - 6.00
l.c.l, bbls, works.....100 lbs. 5.50 - 8.00
USP X, lump, bbls.....lb. .07½- .08
solut., 42 Be, cbys., works, frt. alld.
or equald..lb. .06 - .06½
Citrate, gran., dms.....lb. .77 - .79
Glycerophosphate, N.F., powd...lb. 4.35 - —
Hypophosphite, dms. .....lb. 2.40 - —
Iodide, bots.....lb. 3.48 - 3.63
Naphthenate, 6% Fe, dms., dlvd..lb. .21 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
Phosphate, soluble, NF, gran., cs.lb. .64 - .65
Pyrophosphate, soluble, NF VII,
gran., dms...lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4%, Fe, dms.....lb. .22 - —
Stearate, dms., c.l.....lb. .43 - —
ton lots.....lb. .44 - —
less ton lots.....lb. .45 - —
Sulphate (ferric), anhyd., bgs., c.l.,
works...ton.52.50 - —
l.c.l., works .....ton.57.50 - —
partially hydrated, bgs., c.l.,
works..ton 28.50 - —
(ferrous), tech. (see Copperas).
USP, cryst, bbls., dms.....lb. .09½- .10
Iron by hydrogen, kgs.....lb. .80 - .85
Iron-ammonium citrate, brown, green,
gran., dms..lb. .55 - .58
Oxalate, dms. .....lb. .25½- .28½
Iron-potassium oxalate fine gran.,
dms. .....lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms.
lb. .25½- .28½
Isobornyl acetate, cns.....lb. .97 - 1.10
Isobutyl acetate, cns.....lb. .97 - 1.25
Methacrylate, M-5, dms., works...lb. .60 - —
cns., works .....lb. .63 - .67
P-5, cns., works.....lb. .60 - —
Propionate, cns. .....lb. No prices
Thiocyanoacetate, dms., c.l., works,
gal. 3.85 - —
l.c.l., works .....gal. 3.85 - 4.05
tanks, works .....gal. 4.25 - —
Isobutyraldehyde, dms., works.....lb. .33 - .36
Isoeugenol, extra, cns.....lb. 3.20 - 4.00
cbys., extra .....lb. 3.10 - 3.35
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works.....lb. .22½- —
l.c.l., works .....lb. .24 - —
tanks, works .....lb. .22 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld,
E. of Rockies..lb. .13½- —
l.c.l., same basis.....lb. .14 - —
tanks, same basis.....lb. .12 - —
Alcohol (see Alcohol, isopropyl).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works.....lb. .37 - —

J

Jaborandi leaves, bls.....lb. .15 - .20
Jalap root, NF, bls.....lb. .47 - .50
powd., bbls., bxs.....lb. .50 - .60
Resin, powd., bxs.....lb. 7.15 - 7.25
Juniper berries, bgs.....lb. .10 - .16
Tar, USP, dms.....lb. .40 - .65

K

Kamala, powd., cns.....lb. .38 - .40
Kaolin (see China clay).
Kava kava root, bls.....lb. .27 - .28
Kerosene, at refinery: Ark., 42-44 w.w.,
tanks..gal. 09625 - —
Bayonne, 41-43 w.w., tanks...gal. .103 - —
California, 40-43 w.w., tanks..gal. .1115- .1290
Gulf ports, 41-43, w.w., tanks..gal. .0925- .095
Okla.-Tex., 41-43, w.w., tanks..gal. .0950- .0953
Penn., 45 w.w., tanks.....gal. .1125- .13
47 w.w., tanks.....gal. .125 - .14
Kola nuts, bgs. .....lb. .06½- .07
Kyanite, imp., low iron content, 10-
mesh, whse..ton 85.00 -95.00
calcined, grain, 10-mesh, whse. ton 95.00 -105.00

L

Ladyslipper root, bls. .....lb. 1.65 - 1.70
Lanolin, anhyd., cosmetic, dms., works,
lb. .22 - .24
pharmaceutical, USP, dms., works,
lb. .20 - .22
hydrous .....lb. .18 - .20
Lard, cash, tres., Chicago.....lb. .20½- .21
Larkspur seed, bgs.....lb. .35 - .40
Laurel berries, bls.....lb. .25 - .26
Leaves, Portuguese, bls.....lb. .07¼- .07¾
Greek, bls., futures.....lb. .08 - .08¼
Turkish, bls. .....lb. .13½- .14
Lavender flowers, medium, bls.....lb. .66 - —
ordinary, bls. .....lb. .20 - .21
select, bls. .....lb. .70 - .75
Lead acetate, white, crystals, bbls..lb. .25½- —
gran., bbls. .....lb. .20½- —
powd., bbls. .....lb. .20¼- —
Arsenate, dealers, basic powder, 6-lb.
bgs. or larger, c.l...lb. .24¾- .25
l.c.l. .....lb. .25¾- .26
1-lb. bgs., c.l.....lb. .34 - —
l.c.l. .....lb. .35 - .36

Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.

Blue, basic sulphate, bbls., c.l.,
ship't point, frt. alld..lb. .18¼- —
l.c.l., works .....lb. .19¼- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. 49 - —
Iodide, NF V, jars.....lb. 2.94 - 3.13
Linoleate, solid, 13%, bbls.....lb. .38¾- —
Metal, pigs, prime, N. Y.....lb. .19½- —
E. St. Louis.....lb. .1930- —
Metallic paste, dms., 10,000-40,000
lbs., works..lb. .27½- —
2,000-10,000 lbs., same basis....lb. .28½- —
up to 2,000 lbs., same basis..lb. .30 - —
Naphthenate, liquid, 16% Pb, dms.,
dlvd..lb. .16¾- —
24% Pb, dms., dlvd.....lb. .23¾- —
Nitrate, bbls., c.l.....100 lbs. .21½- —
l.c.l .....100 lbs. .22 - —
Oleate, bbls. .....lb. .33 - —
Peroxide, powd., tech., bbls.....lb. .39 - .41
Red, 95% Pb_3O_4 or less, bbls., c.l.,
ship't point, frt. alld..lb. .22½- —
l.c.l., same basis.....lb. .23½- —
97% Pb_3O_4 bbls., c.l., same basis,
lb. .22½- —
l.c.l., same basis.....lb. .23½- —
98% Pb_3O_4 bbls., c.l., same basis,
lb. .23¾- —
l.c.l., same basis.....lb. .23¾- —
Resinate, precip., 23.8% Pb, dms..lb. .25 - —
Silicate, bgs.....lb. .17 - .17½
Stearate, bbls., c.l.....lb. .49 - .52
ton lots.....lb. .50 - .53
less ton lots.....lb. .54 - .57
Sulphate (see Lead, blue; Lead,
white, basic sulphate).
Tallate, liquid 16% Pb, dms....lb. .14¾- .15¼
solid, 30% Pb, dms.....lb. .23½- .24
White, basic carbonate, bgs., c.l.,
ship't point, frt. alld..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
basic silicate, bgs., c.l., ship't point,
frt. alld..lb. .17¼- .21¾
l.c.l., same basis.....lb. .17¾- .22¾
basic sulphate, bgs., c.l., ship't
point, frt. alld..lb. .15¾- —
l.c.l., same basis.....lb. .16¾- —
Lecithin, edible, tech., bleached, dms.,
non-ret., c.l., works..lb. .16¾- —
l.c.l., same basis.....lb. .19 - —
unbleached, c.l., same basis....lb. .15¾- —
l.c.l., same basis.....lb. .18 - —
Lemon peel, bls.....lb. .25 - .30
Licorice extract, mass, cns.....lb. .25 - .30
powd., bbls. .....lb. .40 - .42
Root, bls. .....lb. .07 - .08
5-lb. bundles, cs. .....lb. .40 - .45
powd., bbls.....lb. .10½- .11
Lignin extract, tanning grade, bgs.,
c.l., works..lb. .04¾- —
Lime, agricultural, bulk, works..tons. 9.00 - 9.50
Chemical (quicklime), lump, pebble,
bulk, Adams, Mass.....ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa. .....ton. 9.00 - —
Berkeley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton. 9.00 - —
Carey, Ohio .....ton. 7.00 - —
Cedar Hallow, Pa.....ton. 9.50 - —
Cedar Hallow, Pa.....ton. 9.50 - —
Crab Orchard, Tenn.....ton. 8.50 - —
Eagle Mountain, Va.....ton. 8.50 - —
Farnams, Mass. .....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 9.00 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala. .....ton. 8.50 - —
Knoxville, Tenn.....ton. 8.50 - —
Limedale, Ark.....ton. 8.50 - —

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"N-Z-Tone"*—laboratory lactalbumin peptone
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CHEMURGIC DIVISION

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Manistique, Mich.....ton. 8.00 - —
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Menominee, Mich.....ton. 9.00 - —
Mitchell, Ind.....ton. 8.00 - —
Newala, Ala.....ton. 7.50 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine.....ton. 9.00 - —
Sciotc, Ohio.....ton. 6.50 - —
Sherwood, Tenn.....ton. 9.39 - —
Sherwood, Wis.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 9.50 - —
York, Pa.....ton. 9.00 - —
Hydrated, paper bgs., Adams, Mass. ton.11.50 - —
Annville, Pa.....ton.11.50 - —
Bellefonte, Pa.....ton.11.50 - —
Berkeley, W. Va.....ton.10.00 - —
Buffalo, N. Y.....ton.11.50 - —
Carey, Ohio.....ton. 9.00 - —
Cedar Hollow, Pa.....ton.11.50 - —
Crab Orchard, Tenn.....ton.11.65 - —
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Gibsonburg, Ohio.....ton 9.50 - —
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Knoxville, Tenn.....ton.11.50 - —
LeRoy, Minn.....ton.10.50 - —
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Manistique, Mich.....ton 9.50 - —
Marblehead, Ohio.....ton.10.50 - —
Mitchell, Ind.....ton.10.00 - —
Newala, Ala.....ton.12.25 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak.....ton.12.00 - —
Rockland, Maine.....ton. 9.00 - —
Ripplemead, Va.....ton.10.00 - —
Sciato, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.12.14 - —
Sherwood, Wis.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton.11.50 - —
Spray, paper bgs., Adams, Mass..ton.11.70 - —
Annville, Pa.....ton.11.50 - —
Bellefonte, Pa.....ton.11.50 - —
Carey, Ohio.....ton.11.00 - —
Eagle, W. Va.....ton.11.50 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Me.....ton.10.00 - —
Sciato, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.11.50 - —
Lime salts (see Calcium)
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bulk, works...ton. 1.40 - —
Linalool, ex bois de rose.....lb. 4.50 - 6.95
ex. lignaloe wood.....lb. 6.50 - 7.09
Linalyl acetate, ex bois de rose, bots.lb. 4.35 - 7.20
ex lignaloe wood, bots.....lb. 8.25 - 8.40
ex bettigrain, bots.....lb. 5.10 - 6.35
Linden flowers with leaves, bls.....lb. .28 - .30
without leaves, bls.....lb. .24 - .26
Linseed meal, 34% bulk, Midwest mills ton.59.00 -60.00
Litharge, com'l, powd., bbls., c.l. ship't point, frt. alld..lb. .21½- —
l.c.l., same basis.....lb. .22½- —
Lithium bromide, bbl., works, frt. equald..lb. 1.50 - —
Carbonate, NF, bbls., kgs.....lb. 1.10 - 1.15
Chloride, dms.....lb. 1.45 - 1.65
Citrate, bbls., dms., kgs.....lb. 1.30 - 1.45
Fluoride, bbls.....lb. 1.95 - —
Hydroxide, dms.....lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., ship't point..lb. .06¾- —
l.c.l., same basis.....lb. .06¾- .06¾
Titanated (high-strength), bgs., c.l. lb. .08½- —
smaller lots.....lb. .09½- —
Lithopone prices, Pacific Coast, ¾c per lb. higher.
Liverwort leaves, bls.....lb. .85 - .90
Lobelia herb, bls.....lb. .65 - .70
Lobeline sulphate, bots., works...oz.25.50 -28.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .38½- —
No. 2, bbls., l.c.l.....lb. .36½- —
liquid, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l.....lb. .17½- —
No. 3, bbls., l.c.l.....lb. .15 - —
No. 4, bbls., l.c.l.....lb. .16½- —
solid, No. 1, bxs., l.c.l.....lb. .33 - —
No. 2, bxs., l.c.l.....lb. .31 - —
No. 3, bxs., l.c.l.....lb. .28½- —
No. 4, bxs., l.c.l.....lb. .28 - —
No. 5, bxs., l.c.l.....lb. .26½- —
No. 6, bxs., l.c.l.....lb. .44½- .49¼
Lovage root, imp., bls.....lb. 1.20 - 1.25
Lupulin, tins.....lb. 1.95 - 2.00
Lycopodium, cs.....lb. 1.95 - 2.50

M

Mace, No. 1, Siauw, cs.....lb. 1.26 - 1.30
East Indian, bxs., futures.....lb. 1.25 - 1.30
Papua, bxs., futures.....lb. 1.15 - 1.20
West Indian, bgs.....lb. 1.35 - 1.40
broken.....lb. 1.10 - 1.15
Madder, Dutch, bgs.....lb. .29 - .32
Magnesia, calcined, tech., bbls., works..lb. .20 - —
USP, bbls.....lb. .31 - .33
Magnesium arsenate, bgs., cans, works..lb. .20 - .30
Bromide, dms.....lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald..lb. .08 - —
l.c.l., frt., alld.....lb. .09 - —
bbls., c.l., frt. equald.....lb. .09¼- —
l.c.l., frt. alld.....lb. .10¼- —
kgs., c.l., frt. equald.....lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
USP, bgs., c.l., frt. equald....lb. .09½- —
l.c.l., frt. alld.....lb. .10¾- —
bbls., c.l., frt. equald.....lb. .10¼- —
l.c.l., frt. alld.....lb. .11¼- —
kgs., c.l., frt. equald.....lb. .11½- —
l.c.l., frt alld.....lb. .12½- —
Magnesium carbonate is quoted frt. alld. to N. J., except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald, with N. Y. C. on all other destinations.
Chloride, anhyd., bbls., works...lb. .12½- —
flake, bbls., c.l., works.....ton.40.00 - —
l.c.l., works.....ton.44.00 -46.00
Fluoride, bbls.....lb. .20 - .22
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .35
Hypophosphite, dms.....lb. 1.50 - —
Laurate, bbls.....lb. .46 - .47
Metal, 98.8%, ingots, cs., works...lb. .20½- —
sticks, cs.....lb. .34 - .38
Oleate, precip., bbls.....lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.....lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls.....lb. .70 - .77
Silicate (see Talc)
Silicofluoride, bbls., works.....lb. .10 - —
Stearate, cms., 2,000 lbs. to c.l.....lb. .46 - —
smaller lots.....lb. .47 - —
Sulphate (see Epsom salt)
Trisilicate, dms., 1,000-lb. lots.....lb. .37 - —
smaller lots.....lb. .42 - —

Magnesite, chemical grade, bgs., c.l., mines, Calif..ton.60.00 - —
dead-burnt, bulk, c.l., Chewalan, Wash..ton.27.00 - —
Maleic anhydride, dms., c.l.....lb. .30 - —
l.c.l.....lb. .31 - —
Malva flowers, black, bls.....lb. No stocks
Blue, bls.....lb. 1.25 - 1.30
Leaves, bls.....lb. .40 - .42
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .30 - .32
Manganese acetate, dms.....lb. .25½- —
Arsenate, bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., dms., works....lb. .13 - .19
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works.....ton.71.75 - —
l.c.l., works.....ton.74.75 -79.79
paper bgs., c.l., works.....ton.70.00 - —
l.c.l., works.....ton.73.00 - —
85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works.....ton.77.00 -82.00
Glycerophosphate, fib, dms.....lb. 4.25 - —
Hypophosphite, NF, dms.....lb. 1.80 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, jars.....lb. 6.55 - —
Linoleate, liquid, 4.35% Mn, dms.lb. .35½- —
solid, precip., 8.2% Mn, bbls...lb. .41½- —
Metal, cs., dlvd. East.....lb. .80 - .82
Naphthenate liquid, 6% Mn, dms..lb. .22½- —
Oleate, fused, bbls.....lb. .41½- —
Resinate, fused, 3½% Mn, bbls....lb. .09 - .10½
precip., dms.....lb. .16 - —

Manganese sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E..ton.60.00 - —
l.c.l., dlvd. S. E.....ton.67.00 - —
feed grade, 80%, bgs.....lb. .05½- .07
75%, bgs., c.l., dlvd. S. E....ton.68.50 - —
l.c.l., same basis.....ton.75.50 - —
Tallate, liquid, 4% Mn, dms.....lb. No prices.
solid, 8% Mn, dms.....lb. No prices
Mangrove bark, E. Africn, 38% tannin, c.l., ex dock..ton.66.00 - —
Manna, flake, large, cs.....lb. 1.40 - 1.45
small, cs.....lb. .80 - .85
Mannitol, com'l, bbls., works.....lb. .38 - .43
reagent, cs., works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls.....lb. .18½- .19
French, bls.....lb. .32 - .32½
Matico leaves, bls.....lb. .27 - .29
Menadione, USP, bots., works..gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 9.10 - 9.25
synthetic, tech., cns.....lb. 6.00 - 6.40
USP, Dove, cns.....lb. 8.80 - 1.35
Menthyl salicylate, tins.....lb. 4.25 - 4.35
Mercury bichloride (see Corrosive sublimate)
Bisulphate, dms.....lb. 2.13 - 2.16
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.27 - 3.32
Iodide, red, NF dms.....lb. 4.17 - —
Yellow, NF, fib. dms.....lb. 4.27 - —
Metal (see Quicksilver).
oxide, red, NF (see Red precipitate), yellow, tech (see Yellow, mercury oxide)
USP, fib. dms.....lb. 2.44 - 2.46

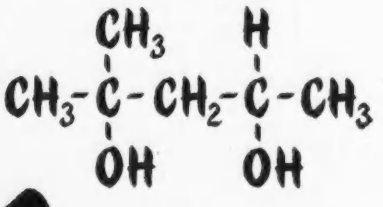
Mesityl oxide, dms., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Metachloranilin, dms., works.....lb. .75 - —
Metacresol, 98%, dms., works.....lb. .65 - .80
Meta-nitroparatoluidine, bbls.....lb. 1.28 - 1.73
Metaphenylenediamine, kgs.....lb. .76 - —
Metatoluylenediamine bbls., works.....lb. .80 - —
Metatolylenediamine kgs.....lb. .77 - —
Methanol, natural, dms., c.l., frt. alld. gal. .74 - .80
l.c.l., frt. alld.....gal. .77 - .85
tanks, frt. alld.....gal. .66 - .70

Prices on natural methanol W. of Miss 3c higher synthetic, eastern production, Zone 1.
dms., c.l., frt. alld..gal. .38½- —
l.c.l., frt. alld.....gal. .42 - .44½
tanks, frt. alld.....gal. .28 - —
zone 2, dms., l.c.l., frt. alld. gal. .45 - —
l.c.l., ex-whse.....gal. .47½- —
tanks, frt. alld.....gal. .33 - —

Synthetic methanol Zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah, and Wash.

Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld..gal. .37½- —
tanks, frt. alld.....gal. .27 - —
West of Rockies, dms., c.l., frt. alld..gal. .45- —
tanks, frt. alld.....gal .35 - —
Methionine-d.l., fib. dms., works, 50 lbs. or more..lb. 8.00 - —
1-49 lbs.....lb.10.00 - —

From SHELL CHEMICAL



Hexylene Glycol

A new plant at Houston, Texas has greatly increased the supply of this valuable solvent

PROPERTIES	
Molecular Weight	118.17
Specific Gravity 20°/4°C	0.9216
Boiling point (760 mm.)	198.27°C
Flash Pt., Cleveland Open Cup	230°F
Vapor Pressure at 20°C	0.02 mm. Hg
Refractive Index, n_D^{20}	1.4276
Viscosity at 20°C	41.7 centistokes
Weight (pounds per gal. at 20°C)	7.69

Among the many other Shell Chemical products are Tertiary Butyl Alcohol, Diacetone Alcohol, Allyl Alcohol, Diisobutylene and Acrolein

A data sheet and sample will be forwarded on letterhead request. Write your nearest Shell Chemical office.

HEXYLENE GLYCOL is a colorless, nearly odorless dihydric alcohol which is miscible with water and an unusually large number of dissimilar chemicals.

AS A COUPLING AGENT it offers distinct advantages in the formulation of *hydraulic brake fluids* because of its water tolerance, lack of rubber swell and compatibility with castor oil in all proportions. In addition, its chemical stability, viscosity index, lubricating properties and non-corrosiveness are equally satisfactory. HG is also widely used as a coupling agent and emulsion stabilizer in *engine cleaning compounds* and *"soluble" cutting oils.*

AS A SOLVENT its steep vapor pressure curve, good resin solvency and comparatively mild hygroscopicity make it particularly useful in the manufacture of "flash dry" and other types of *printing inks.*

AS A PENETRANT its mildly hygroscopic character, plus notable softening and coupling properties, suggest its use as a component of *yarn lubricants, mercerizing assistants and other textile chemicals.*

SHELL CHEMICAL CORPORATION

100 Bush Street, San Francisco 6 • 500 Fifth Avenue, New York 18

Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit

Methyl Abietate—Oil, Thyme

Methyl abietate, non-ret. dms., c.l., dlvd. zone 1..lb. .15½- —
l.c.l., same basis.....lb. .15¾- —
Hydrogenated, non-ret. dms., c.l., dlvd., zone 1..lb. .16¾- —
l.c.l., same basis.....lb. .17¼- —
Acetoacetate, dms., c.l., works....lb. .47 - —
l.c.l., same basis.....lb. .48 - —
tanks, works.....lb. .46 - —

Methyl acetoacetate prices, frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld..gal. .50 - .66
l.c.l., same basis.....gal. .57 - .67

Natural Methyl acetone group A prices W. of Miss. 3c. per gal higher.

group B, dms., incl., E. Miss., qt. alld., any quantity..gal. .50 - .60
synthetic, dms., c.l., works, frt. alld. E..gal. .61½- —
frt. alld W.....gal. .64 - —
l.c.l., works, frt. alld. E....gal. .65 - —
frt. alld. W.....gal. .68½- —
tanks, works, frt. alld. E....gal. .52 - —
frt. alld. W.....gal. .55½- —

Methyl acetone, synth. East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 500 lbs. or more. lb. 2.10 - —
smaller lots.....lb. 2.20 - 3.00
Benzoate, cns.....lb. .53 - 1.20
Bromide, dealers, cns.....lb. .50 - .52
cyls.....lb. .46 - .59
Chloride, indust., cyl., works.....lb. .16 - —
tanks, multi-unit, works.....lb. .14¾- —
single-unit, works.....lb. .14 - —
refrigerator mfrs., cyls., dlvd.lb. .33 - —
other consumers or service men, cyls., dlvd...lb. .41 - —
Cinnamate, cns.....lb. 1.65 - 3.50
Formate, dms.....lb. .89 - —
Heptin carbonate, bots.....lb.36.00 -38.00
Iodide, bots., cbys.....lb 4.35 - 4.52
Lactate, dms., l.c.l., works.....lb. .35 - —
Methacrylate, M-1, dms., works..lb. .45 - —
cns., works.....lb. .48 - .58
P-1, cns., works.....lb. .60 - —
Methyl salicylate, dms., 500 lbs....lb. .40 - —
25-50 lbs.....lb. .45 - —
Methylal, refined, 95%, dms., c.l....lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .01½- —
Methylamyl ketone, cns., dms., works. lb. No stocks
Methylcellulose, special vis. (4,000 cps.), bb. ctns., c.l., frt. alld..lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs..lb. .75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld..lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs..lb. .68 - .79
Methylene blue, USP, 100-lb. lots, kgs., frt. equald..lb. 2.42 - —
smaller lots, kgs., same basis....lb. 2.52 - 2.57
Chloride, indust., dms., c.l., dlvd. E. lb. .12½- —
l.c.l., dlvd., E.....lb. .13½- —
tanks, dlvd., E.....lb. .11½- —
Methyleneanilin, dms., ton lots, frt. alld. lb. .36 - —
smaller lots, same basis.....lb. .37 - —
Methylethyl ketone, dms., dlvd.....lb. .11½- —
l.c.l., dlvd. .....lb. .12 - —
tanks, dlvd. .....lb. .10 - —
Methylhexyl ketone, tech., dms., works. lb. .60 - —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd. lb. .16½- —
l.c.l., dlvd. .....lb. .17½- —
tanks, dlvd. .....lb. .12½- —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylpentanediol, dms., works, dlvd. lb. .17½- —
l.c.l., works, dlvd.....lb. .18½- —
tanks, works, dlvd.....lb. .16 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works..lb. 03½- —
roofing, 20 to 80 mesh, works....lb. 03¾- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. 06½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E.lb. .07½- .07¾
rubber, bgs., c.l., works, frt. alld. E..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E..lb. .07½- .07¼
wallpaper, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07½- .07¾
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07¾- —

Mica, wet-grd. W. of Miss R., ½c. higher. W. of Rockies, 1c. higher.

Milk powder, skimmed, roller, bbls., c.l..lb. .15 - .17½
spray, bbls., c.l.....lb. .17¼- .18½
Whole, roller, bbls., c.l.....lb. .44½- .46½
spray, bbls., c.l.....lb. .44 - .46
Sugar, edible, bbls., works, 30,000-lb. lots..lb. .24 - —
2,000-lb. lots .....lb. .24¾- —
200-1,800-lb. lots .....lb. .25¼- —
USP, bbls., works, 3,000-lb. lots.lb. .26 - —
2,000-lb. lots .....lb. .26¾- —
200-1,800-lb. lots .....lb. .27¼- —
Molasses, blackstrap, tanks.....gal. .24 - —
Molybdate orange (see Orange, molybdate)
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 99% Mo. powd., kgs..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald..lb. .06½- .08
l.c.l., works .....lb. .07 - .09
smaller containers, works.....lb. .09 - .12
tanks, works, frt. equald.....lb. .06 - 06½
Monoethanolamine, dms., c.l., frt. alld. E..lb. .26½- —
l.c.l., same basis.....lb. .27½- —
smaller containers, same basis....lb. .30½- —
tanks, same basis.....lb. .25 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .20 - —
Monomethylamine, anhydrous, cyl., works, basis 100%..lb. .34½- .44½
25%-40%, dms., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .33½- —
tanks, same basis.....lb. .30 - —
Monononylnaphthalene, tanks, wks.lb. .16 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works..lb. .50 - —
l.c.l., works.....lb. .51 - —
tanks, works.....lb. .49 - —
Morphine, cns., 25 ozs.....oz.12.40 - —
Acetate, cns., 25 ozs.....oz. 9.90 - —
Hydrobromide, cns., 25 ozs.....oz. 9.80 - —
Hydrochloride, cns., 25 ozs.....oz. 9.90 - —
Sulphate, cns., 25 ozs.....oz. 9.90 - —
Morpholine, dms., c.l., works.....lb. .50½- —
l.c.l., works.....lb. .60 - —
tanks, works.....lb. .58 - —
smaller containers, works.....lb. .75 - —
Mountain ash berries, bgs.....lb. .75 - .76
Mullein leaves, bls .....lb. 12 - 18
Musk, nat., Tonquin, grains, bots..oz.35.00 -55.00
synthetic, ambrette, cns., 5-lb.....lb. 5.65 - 5.75
Ketone, cns., 100 lbs. or more..lb. 4.60 - 4.95
25 lbs. .....lb. 4.70 - 5.05
5 lbs .....lb. 4.60 - 5.45
xylol, cns. .....lb. 1.60 - 1.80
25 lbs. .....lb. 1.70 - 1.90
5 lbs. .....lb. 1.80 - 2.00
Musk root, bls.....lb. No prices
Mustard seed, Calif., brown.....lb. .21 - 21½
Danish, yellow, bgs.....lb. .16 - .16½
Dutch, yellow, bgs.....lb. .16½- .17
English, yellow, bgs.....lb. .16¼- .16½
Montana, brown, bgs., source....lb. .11 - .11½
Oriental, bgs., source.....lb. .06¾- .07
yellow, bgs., source.....lb. .13½- .14
Washington, yellow, bgs.....lb. .16½- 17
Myrobalans, J1, good quality, ex dock. ton.54.00 -55.00
J2, ex dock .....ton.46.00 -47.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.)
Solvent (see S)
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald..lb. No prices
tanks, same basis...lb. .05¾- .07¼
Naphthalene, dom., crude, 78°, bbls., c.l., same basis..lb. .07 - .08
l.c.l., same basis.....lb. .07½- .08½
tanks, same basis.....lb. .06 - .07½
refined, industrial, bbls., frt. equald. lb. .11 - —
bgs., c.l., same basis.....lb. .10½- —
tanks, same basis.....lb. .10 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis..lb. .12 - .12¼
1-lb. pkgs., c.l., same basis.lb. .13 - .13½
Neocinchophen, USP, dms., works..lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y.....ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton.18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, crys., cns.....lb 1.70 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide)
Nickel acetate, bbls., dlvd.....lb. .50 - —
Carbonate, bbls., dlvd.....lb. .48 - .50
Chloride, bbls., dlvd.....lb. .23 - —
Cyanide, bots., dms.....lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd....lb. .43½- —
Metal, electro cathodes, cs.....lb. .40 - —
Nitrate, bbls., works.....lb. .24½- .25¼
Oxide, black, bbls.....lb. .42 - —
Sulphate, bgs., c.l., dlvd.....lb. .18 - —
l.c.l., dlvd. .....lb. .18½- —
Nicotinamide, USP, dms., works..kilo.11.00 -11.80
Hydrochloride, dms., works....kilo.10.50 -10.80
Nicotine sulphate, 40%, dms., dealers, frt. alld. over 50 lbs..lb. .988 - —
tins, dealers .....lb. 1.105 - —
Nikethamide, bots, cbys.....lb. 5.50 - 6.60
Nitercake, bulk, works.....ton. No stocks
Nitrobenzene, dbl. dist., dms., c.l...lb. .09 - .09½
l.c.l. .....lb. .10 - .11
tanks .....lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight..lb. .28 - —
l.c.l., same basis.....lb. .29 - .31
8-25 cps., bbls., c.l., same basis..lb. .30 - —
l.c.l., same basis.....lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis..lb. .34 - —
l.c.l., same basis.....lb. .35 - .37

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitrogen solution, tanks, works, N.ton.117.00 - —
Nitrogenous process tankage, bulk, works, ammo. unit-ton. 3.50 - 4.00
Sewage sludge, bulk, works, unit ton.4.15 + 40-
Nitromethane, dms., c.l., works....lb. .25 - —
Nitropropane, 1, dms., works.....lb. .25 - —
2 dms., works.....lb. .25 - —
Nonylnaphthalene blend (mono and di), tanks, works..lb. .14 - —
Nutgalls, Aleppo, bgs.....lb. .50 - —
Chinese, bgs. .....lb. .44 - —
Istrian, bgs. .....lb. .29 - —
Nutmegs, East Indian, bgs., futures, afloat..lb. .60 - .60½
West Indian, bgs.....lb. .60 - .60½
futures .....lb. .58 - .59
Nux vomica, bls. .....lb. .08 - .09
powdered, bbls., bxs. .....lb. .11 - .12

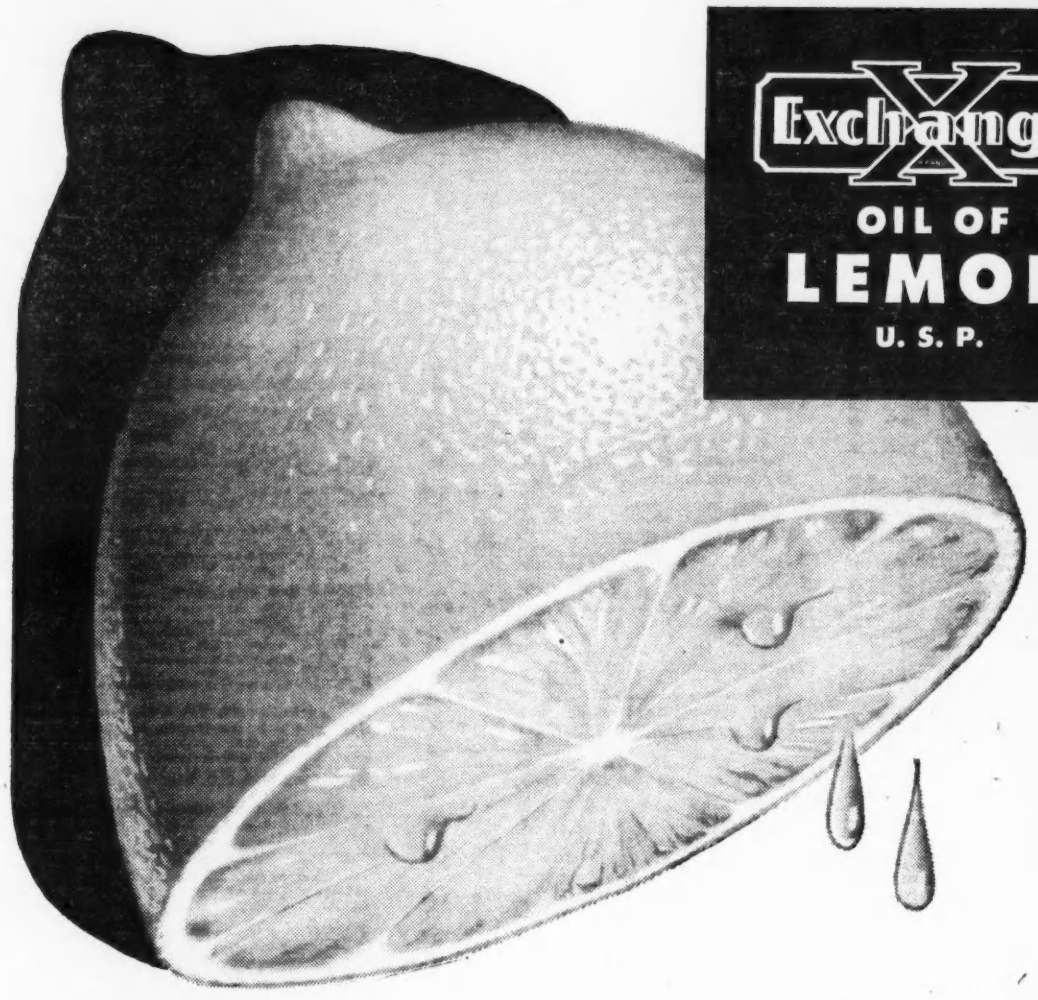
O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100°-140° C, industrial grade, dms., c.l., group 3..gal. .19 - —
l.c.l. .....gal. .21 - .60
tanks, group 3.....gal. .15½- —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.45 - 5.00
NF, bots.....lb. 4.90 - —
Sweet, dms., cns.....lb. .80 - 1.30
Angelica root, bots.....lb.120.00 -250.00
Seed, bots.....lb.110.00 -200.00
Anilin (see A).
Anise, USP, Chinese, dms.....lb. .72 - 1.25
Russian, cns.....lb. 3.25 - 3.75
Apricot kernel, cns.....lb. .48 - .56
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. .27½ Nom.
Oil, bay, NF, Puerto Rican, 50-55%, cns..lb. 1.20 - 2.25
55-60%, cns.....lb. 1.20 - 2.35
60-65%, cns.....lb. 2.50 - —
West Indian, 50-55%, cns.....lb. 1.20 - 1.65
Bergamot, artif., cns.....lb. 2.50 - 4.25
natural, Italian, cns.....lb. 3.90 - 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb 95 - 1.70
rectified, cns.....lb. 4.25 - —
Bois de rose, Brazil, cns.....lb. 3.00 - 4.75
Mexican (see Oil, lignaloe wood).
Bone dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.00 - 2.45
redistilled, USP IX, cns.....lb. 2.50 - 4.50
Calamus, cns. .....lb.20.00 -28.00
Camphor, natural, white, cns.....lb. .40 - .75
synthetic, dms.....lb. 15 - .40
Cananga, native, cns.....lb. 4.00 - 9.10
rectified, cns. .....lb. 5.00 -12.50
Capsicum (see Capsicum oleoresin)
Caraway, NF, cns.....lb. 4.75 - 6.50
Cardamom, bots. .....lb.23.00 -31.50
Cassia, USP, cns.....lb. 2.00 - 3.75
Castor, blown, ref. dms., c.l.....lb. .24 - —
l.c.l. .....lb. .25 - .25¼
cold-pressed, USP, ref. dms., c.l.lb. .22 - —
l.c.l. .....lb. .23 - .23½
tanks .....lb. .21 - —
dehydrated, bodied, dms., c.l....lb. .25¼- —
l.c.l. .....lb. .26½- —
tanks .....lb. .24½- —
unbodied, dms., c.l.....lb. .24½- —
tanks .....lb. .23½- —
hydrogenated, bgs., c.l., works..lb. .37 - —
l.c.l., same basis.....lb. .38 - —
No. 3, tech., ref. dms., c.l.....lb. .22 - —
l.c.l. .....lb. .22¾- —
tanks .....lb. .21 - —
sulphonated, 50% (48% fat), dms. lb. .14½- .15
75% (60-62% fat), dms.....lb. .20 - .20½
Cedarleaf, USP, cns, dms.....lb. 2.15 - 2.85
Cedarwood, cns. .....lb. .51 - .95
dms. .....lb. .45 - .85
Celeryseed, bots. .....lb.14.00 -20.00
Chaulmoogra, NF, cns., dms....lb. .56 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.33.00 -73.00
Leaf, Ceylon .....lb. 1.50 - 1.75
Seychelle .....lb. 1.20 - —
Citronella, Ceylon, cns.....lb. .70 - 1.05
Java, cns. .....lb. 1.35 - 1.75
Clove, USP, from Madagascar buds, cns..lb. 1.25 - 1.30
from Zanzibar buds, cns.....lb. 1.35 - 1.40
Coconut, crude, tanks, Atlantic ports. lb. .23¾- —
Pac. coast .....lb. .22¾- —
refined, Cochin type, tax incl., dms., l.c.l. lb. .32½- —
deodorized, tax incl., dms., l.c.l. lb. .33½- —
Cod, Newfoundland, dms.....lb. .24 - .25
Codliver, USP, dms.....gal. 2.60 - 2.70
Coriander, bots. .....lb.34.00 -40.00
Corn, crude, tanks, works.....lb. .25 - —
foots, acid, 95%, tanks, dlvd. E. lb. .13 Nom.
raw, 50%, tanks, dlvd. E....lb. .06¾ Nom.
refined, tanks, mills.....lb. .28½ Nom.
Costus, bots. .....oz.42.00 - —
Cottonseed, crude, tanks, works.lb. .23 - .23½
foots, acid 95%, tanks, dlvd. E lb. .13 Nom.
raw, 50%, tanks, dlvd. E....lb. .06¾ Nom.
refined, dms., c.l.....lb. .33 - —
l.c.l. .....lb. .34 - .36
tankcars .....lb. .29 Nom.
Creosote (see Creosote, coaltar).
Croton, NF, cns.....lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns. .....lb. 6.75 -10.00
Cumin, bots. .....lb. 6.25 -11.50
Cypress, bots. .....lb.11.00 -15.00
Degras (see D).
Dillseed, bots. .....lb. 9.00 - 9.50
Dillweed, bots.....lb. 8.00 - 9.00
Dip (see D).
Erigeron, cns. .....lb. 2.30 Nom.
Eucalyptus, rectified, USP, 80-90%, cns..lb. .90 - 1.45
70-80%, cns. .....lb. .80 - 1.30
Fennel, sweet, cns. .....lb. 3.05 - 4.50
Fir, Canada, cns.....lb. 2.20 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms. ...1,000,000 units. .22½- —
20,000 to 80,000 A units, dms. 1,000,000 units. .32 - .34
pharmaceutical, 50,000 to 125,000 A units, dms..1,000,000 units. .34 - .43
pharmaceutical or food, 200,000 A units, dms..1,000,000 units. .42 - .45
concentrate, 100,000 A units, dms., 1,000,000 units. .38 - .40
200,000 A units, dms. 1,000,000 units. .42 - .45
500,000 A units, dms. 1,000,000 units. .46 - .53
1,000,000 A units, dms. 1,000,000 units. .49 - .55
Fuel (see Petroleum fuel oil).
Fusel (see F)
Garlic, pure, bots.....oz. 9.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.14.00 -21.00
Bourbon, cns. .....lb. 8.75 -10.50
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots. .....lb. 7.50 -13.00
Grapefruit .....lb. 1.15 - 2.60
Grease, No. 1, dms.....lb. .19¼- .21¼
extra, winter, strained, dms.....lb. .21 - .22
prime, burning, dms.....lb. .22 - .22½
Guaiacwood, cns. .....lb. 2.05 - 4.15
Hemlock, cns. .....lb. 2.20 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, NF VIII, bots.....lb. 5.00 - 5.25
twice rectified .....lb. 7.00 - 7.25
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. .....lb. No stocks
Lavandin, cns. .....lb. 1.30 - 3.75
Lavender flower, French, 38-42% esters, cns..lb. 3.75 -10.15
30-32% ester, cns.....lb. 2.40 - 3.10
Spike, Spanish, pure, cns.....lb. 1.40 - 2.25
tech., cns. .....lb. 1.40 - 2.78
Lemon, natural, USP, Calif., cns..lb. 2.75 - —
Messina .....lb. 2.75 - 4.00
terpeneless, bots. .....lb.32.00 -65.00
Lemongrass, cns., dms.....lb. 1.25 - 2.30
Lignaloe seed, Mexican, cns.....lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns. .....lb. 2.75 - 5.20
Lime, distilled, Mexican, cns.....lb. 3.75 - 5.60
West Indian, cns.....lb. 4.50 - 6.00
expressed, West Indian, cns.....lb. 6.75 -11.25
terpeneless, bot.....lb.35.00 -53.00
Linseed, raw, dms., c.l.....lb. .2900- .3000
l.c.l. .....lb. .2980- .3010
tankcars .....lb. .2780- .2880
tankwagon .....lb. .2810- .2910
Boiled linseed oil .007 higher than raw
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks..gal. .285 - —
neutral, 200 vis., No. 3, col., 0.10 pour, tanks..gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks..gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .285 - —
Oil, lubricating, at ref'y., ex tax, Penna., W., cylinder, 600-680 flash, tanks..gal. .33 - .38
cylinder, 600-650 steam ref'd., tanks..gal. .37 - —
neutral, 70° F, No. 3 color, 150 vis., 25 pour, tanks..gal. .37 - .39
200 vis., 25 pour, tanks.gal. .39 - .41
South Texas, neutral, pale 200 vis., 2½-4 pour, tanks..gal. .11 - .12
red, 200 vis., 4-6½ pour, tanks..gal. 11- 12¢
Mace, dist., cns., dms.....lb. 4.65 - 8.75
Mandarin, Brazilian, cns.....lb. 4.25 - 8.40
Italian, cns.....lb. 8.50 -10.00
Menhaden, crude, tanks, Balto....lb. .11 - —
refined, alkali, dms., l.c.l.....lb. .2190- —
Kettle-bodied, dms., l.c.l.....lb. .2340- —
light-pressed, dms., l.c.l.....lb. .2040- —
tanks .....lb. .19 - —
Mineral, white (see Oil, white, mineral).
Neroline (see Nitrobenzene)
Mustard, synthetic, USP, cns.....lb. 1.40 - 1.60
Seed, expressed, dms.....lb. .28 - .29
Neatsfoot 15°, dms.....lb. .43 - —
20°, dms. .....lb. .42 - —
30°, dms. .....lb. .40 - —
Neroli, French, bots.....lb.75.00 -200.00
Haitian, bots. .....lb.175.00 -200.00
Nutmeg, dist., cns.....lb. 4.65 - 8.75
Ocotea cymbarum, dms.....lb. .92 - 1.15
Officica, liquid, dms., c.l.....lb. .17½- .18
l.c.l. .....lb. .18½- .19
tanks .....lb. .17½- .18
Oleo, extra, tcs.....lb. .25 Nom.
Olibanum, bots. .....lb. 4.50 - 6.25
extra fine.....lb. 6.25 -10.50
Olive, denat., dms.....gal. 3.00 - —
edible, Calif., dms. .....gal. 4.25 Nom.
Spanish, dms., duty paid.....gal. 4.50 - 4.65
Moroccan, dms., same basis....gal. 3.90 - 4.00
foots, dms. .....lb. .23 - .23¼
tankcars .....lb. .21½- —
sulphonated, 50% (40% fat), dms., c.l...lb. No stocks
l.c.l. .....lb. No stocks
75% (62% fat), dms., c.l.....lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, natural, dist., cns..lb. .75 - 1.25
expressed, USP, Brazilian, cns. lb. 1.40 - 1.95
Calif., cns. .....lb. 1.45 - 2.10
Florida, cns., dms.....lb. 1.10 - 1.85
Messina, coppers .....lb. 3.50 - 5.50
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots. .....lb.55.00 -135.00
Origanum, Spanish, cs. .....lb. 2.40 - 2.50
Palm, dms.....lb. .29 - —
Palmarosa, cns. .....lb. 6.50 - 9.00
Palmkernel, crude, bulk, cif, NY..lb. No prices
Paraffin, pale, 100-110 vis. at 100° F, tanks, works..gal. .10 - —
Patchouli, dms. .....lb. 8.00 -25.00
Peanut, crude, tanks, works.....lb. .25 - .26
foots, acid, 95%, tanks, dlvd. E..lb. .13 Nom.
raw, 50%, tanks, dlvd. E....lb. .06¾ Nom.
refined, tanks, dlvd. E.....lb. .30 - —
Pennyroyal, USP, dom., dms., ens. lb. No stocks.
imported, cns. .....lb. 2.50 - 2.60
Peppermint, natural, dms.....lb. 7.50 - 8.75
redist., USP, dms.....lb. 8.10 - 9.25
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns.....lb. 3.10 - 4.30
Pimento berry, dms.....lb. 4.25 - 6.50
leaf, cns.....lb. 1.65 - 3.25
Pine, dest.-dist., dms., incl., c.l., works, South..gal. .60 - .69
dms. incl., c.l., works, South.lb. .05½- —
l.c.l., works, South.....gal. .61 - .70
l.c.l., works, South.....lb. .08 - —
tankcars, works, South.....gal. .67 - —
ex whse., N. Y. C.....gal. .69½- —
tanks, works, South.....gal. .60 - —
tanks, works, South.....lb. .062 - —
steam-dist., dms., ex whse., East.lb. .11 - —
non-ret. dms., incl., l.c.l., ex whse. N.Y.C..gal. 86 - —
Pineneedle, Siberian, cns.....lb. 2.90 - 3.75
Swiss, 25-lb. cans.....lb. 4.00 -14.50
Putty, petroleum, heavy, dms...gal. .18 - —
tankwagon .....gal. .13½- —
light, dms.....gal. .16½- —
tankwagon .....gal. .12½- —
Rapeseed tankcars .....lb. .26 - —
Red, single dist., dms.....lb. .21¾- .22¾
tanks .....lb. .20½- —
saponified, dms.....lb. .21 - .22
double dist., dms.....lb. .24¾- .25¾
tanks .....lb. .23 - —
Rose, natural, coppers.....oz.16.00 -40.50
Rosemary, Spanish, tech., cns., dms. lb. .90 - 1.50
USP, cns., dms.....lb. 1.15 - 1.60
Rosin, 1st rectified, dms.....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .78 - —
Rue, bots. .....lb 2.25 - 3.00
Sage, clary, bots.....lb.15.50 -16.00
Dalmatian, cns. .....lb. 2.80 - 5.35
Spanish, cns .....lb 1.90 - 3.50
Sandalwood, NF, cns.....lb.13.00 -14.50
Sardine, crude, tanks, Pac. coast..lb. .15 Nom.
refined, alkali, dms., l.c.l.....lb. .2190- —
kettle-bodied, dms., l.c.l.....lb. .2340- —
light-pressed, dms., l.c.l.....lb. .2040- —
tanks .....lb. .19 - —
Sassafras, artificial .....lb. .58 - 1.25
natural, Brazilian (see Oil, ocotea cymbarum)
domestic, USP XII, cns., dms lb. 1.90 - 2.30
Savin, cns.....lb. 5.00 -13.50
Savory, cns.....lb. 8.00 - —
Seal, No. 1, tanks, U. S. ports...lb. No prices
Sesame, tanks.....lb. No prices
Shingle stain, bbls., c.l., works.gal. .2185- —
l.c.l., works .....gal. .25 - .29
tanks, works .....gal. .18 - .16
Soybean, crude, tanks, mills.....lb. .23 - —
foots, acid, 95%, tanks, dlvd. E. lb. .13 Nom.
raw, 50%, tanks, dlvd. E....lb. .06¾ Nom.
refined, alkali, dms., c.l.....lb. .2760- —
l.c.l. .....lb. .2780- .2820
tanks .....lb. .2582- —
clarified, dms., c.l.....lb. .2552- —
l.c.l. .....lb. .2630- .2690
tanks .....lb. .2432- —
winterized, refined, tankcars, dlvd. East..lb. .26 Nom.
Spearmint, dms. .....lb. 5.85 - 9.00
Sperm, bleached, 38°, dms.....lb. .2670- —
natural, 45°, dms.....lb. .25½- —
Spruce, cns., dms.....lb. 2.20 - 2.75
Sunflower-seed, imp., refined, tanks, lb. No prices
semi-refined, tanks .....lb. No prices
Sweet birch, Northern, cns.....lb 4.50 - 8.00
Southern, cns. .....lb 2.50 - 3.25
Tall, crude, tanks, works.....ton.40.00 - —
refined, dms., c.l., works.....lb. .06¾- —
l.c.l., works .....lb. 07¼- —
tanks, works .....lb. 05¾- —
Tallow, acidless, dms.....lb. .19½- .20¼
Tansy, cns. .....lb. 9.00 -14.00
Tar, pine, com'l, dms., incl., c.l., works, South..gal. .41 - .43½
works, South..gal. .43 - .45½
l.c.l., works, South.....gal. .52½- .54¾
whse., N.Y.C. .....gal. .32 - .34½
tanks, works, South.....gal. .32 - —
rectified, USP, l.c.l., dms., incl., works, South..gal. .60 - —
Tar acid (see T)
Teaseed, l.c.l., dms.....lb. .33 - —
Thyme, NF, red, cns.....lb. 2.60 - 3.25
white, cns. .....lb. 2.85 - 3.80
technical, white, cns.....lb. .35 - 1.00

Oil, tung, dms., c.l.	lb.	.22	Nom.
l.c.l.	lb.	.22½	.28
tanks	lb.	.20½	Nom.
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, NF, cns., dms.	lb.	35	50
Vetiver, Bourbon, cns.	lb.	14.75	-38.00
Haitian	lb.	17.50	-20.00
Whale, ref., natural, dms.	lb.	No stocks	
Winter-bleached, dms.	lb.	No stocks	
Wheat germ, dms.	gal.	10.00	-13.50
White mineral, tech., 50 vis., non-ref. dms., c.l., San Francisco	gal.	.51½	—
l.c.l., S.F.	gal.	.53½	.56½
50-65 vis., dms., c.l., N. Y.	gal.	.45	—
l.c.l., N. Y.	gal.	.48	.52
65-75 vis., dms., c.l., N. Y.	gal.	.48	—
l.c.l., N. Y.	gal.	.51	.55
70 vis., non-ret. dms., c.l., S.F.,	gal.	.51½	—
l.c.l. S. F.	gal.	.53½	.56½
USP, 80-90 vis., dms., c.l., N. Y.	gal.	.52	—
l.c.l., N. Y.	gal.	.55	.59
83 vis., non-ret. dms., c.l., S. F.	gal.	.51½	—
l.c.l. S. F.	gal.	.53½	.56½
100 vis., non-ret. dms., c.l., S. F.	gal.	.59	—
l.c.l., S. F.	gal.	.61	.64
125-135 vis., dms., c.l., N. Y.	gal.	.64	—
l.c.l., N. Y.	gal.	.67	.71
145 vis., non-ret. dms., c.l., S. F.	gal.	.68	—
l.c.l., S. F.	gal.	.70	.76
145-155 vis., dms., c.l., N. Y.	gal.	.66	—
l.c.l., N. Y.	gal.	.69	.73
175-185 vis., dms., c.l., N.Y.	gal.	.69	—
l.c.l., N. Y.	gal.	.72	.76
180 vis., non-ret. dms., c.l., S. F.	gal.	.70	—
l.c.l., S. F.	gal.	.72	.75
200-210 vis., dms., c.l., N. Y.	gal.	.73	—
l.c.l., N. Y.	gal.	.76	.80
335-345 vis., dms., c.l., N. Y.	gal.	.81	—
l.c.l., N. Y.	gal.	.84	.88
340 vis., non-ret. dms., c.l., S. F.	gal.	.83	—
l.c.l., S. F.	gal.	.85	.88
Wintergreen, nat., Northern, cns.	lb.	7.00	-14.25
Southern, cns.	lb.	3.05	- 6.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF cns.	lb.	3.75	- 5.50
Wormwood, cns.	lb.	7.75	-13.50
Ylang-ylang, Bourbon, extra, bots.	lb.	9.50	-25.00
first, bots.	lb.	9.75	-15.00
second, bots.	lb.	7.00	-10.00
third, bots.	lb.	3.50	- 7.50
Olein, crude (see Oil, red).			
white, dms.	lb.	.24½	.25½
tankcars	lb.	.23	—
low titre, dms.	lb.	.24½	.25½
tankcars	lb.	.23½	—
Oleostearin, tres.	lb.	.24	- .25
Olivine, aggregate, c.l., mines	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	10.00	- —
paper, bgs., c.l., works	ton.	12.00	- —
lumps, bulk, c.l., works	ton.	7.00	- —
Opium, USP, cns.		15.10.45	- —
gran., USP, cns.	lo.	21.90	- —
powd., USP, cns.	lb	21.90	- —
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies	lb.	1.00	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.29½	—
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dinitroanilin toner	lb.	1.15	- —
Orange, molybdate, bbls.	lo.	.59	- —
Orthonitroanilin toner, bbls., kgs., works	lb.	1.00	- —
Persian, bbls.	lb.	.30	- .45
Orange flowers, bls.	lb.	.40	- .45
Orange mineral, American, bbls., 5 tons, ship't point, frt. alld.	lb.	.20½	- —
smaller lots, bbls., same basis.	lb.	.21	- —
Orange peel, bitter, Haitian, bls.	lb.	.13	- .14
Sweet, bls.	lb.	.14	- .16
Oregano, Mexican, bgs.	lb.	.16½	- .17
Portuguese, bgs.	lb.	.20	- .20½
Sicilian, bgs.	lb.	.24	- .24½
Orris root, Florentine, bls.	lb.	.28	- .29
powdered, bbls., bxs.	lb.	.32	- .33
Verona, bls.	lb.	.18	- .19
powdered, bbls., bxs.	lb.	.22	- .23
Orthoaminobiphenyl dms., c.l., works.	lb.	.32½	- —
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb.	.31	- —
Orthoamylphenol, dms., l.c.l., works.	lb.	.42	- —
Orthoanisidin, bbls.	lb.	.80	- —
Orthochloroanilin, dms., 10,000 lbs. or more	lb.	.60	- —
smaller lots	lb.	.62	- .67
Orthochloroparanitroanilin, dms., works.	lb.	.65½	- .81
Orthochlorophenol, dms.	lb.	.28	- —
Orthocresol, pure, 30°, dms., c.l., works.	lb.	.35	- —
l.c.l., works	lb.	.35½	- —
tech., 29°-30°, dms., c.l., works	lb.	.34	- —
l.c.l., works	lb.	.34½	- —
26°-27°, dms, c.l., works	lb.	.26¼	- .28¼
l.c.l., same basis	lb.	.26¾	- .28¾
tanks, same basis	lb.	.27½	- —
Orthodichlorobenzene, dms., c.l., wks., frt. alld. E. of Rockies	lb.	.07½	- .08½
l.c.l., same basis	lb.	.09½	- .10½
tanks, same basis	lb.	.07	- .08
Orthodichloropenzene prices W. of Rockies 1c. per lb. higher.			
Orthoisopropyl N-phenylcarbamate (see IPC).			
Orthonitroanilin, dms	lb.	.50	- .53
Orthonitrochlorobenzene, dms.	lb.	.15	- .18
Orthonitrobiphenyl, tech., dms., c.l., works.	lb.	.19½	- —
l.c.l., works	lb.	.20	- —
tanks, works	lb.	.18	- —
Orthonitroparachlorophenol, cns.	lb.	.75	- —
Orthonitrophenol, dms.	lb.	.66	- —
Orthonitrotoluene, dms.	lb.	.11	- —
Orthophenetidin, dms.	lb.	.90	- —
Orthotolidin, distilled, kgs.	lb.	1.00	- —
Orthotoluidin, dms.	lb.	.18	- .20
Osage orange crystals, bbls., l.c.l.	lb.	.33½	- —
extract, liquid, bbls., l.c.l.	lb.	.15½	- —
Ouabaine, USP, bots.	gram.	3.00	- 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	6.40	- —
smaller lots, works	lb.	6.55	- 7.40

P

Papain, powd., cs.	lb.	4.20	- 5.00
Papaverine, natural or synthetic, hydrochloride, N.F., cns., 1,000-oz. lots.	oz.	6.60	- —
smaller lots.	oz.	6.30	- 6.50
Sulphate, cns.	oz.	7.10	- 7.35
Paprika, Chilean, bgs.	lb.	.25	- .28
Portuguese, bgs.	lb.	.30	- .34
Spanish, bgs.	lb.	.41	- .43½
Para-anisidin, dms., works	lb.	.75	- —
Parachlorophenol, dms., c.l., works.	lb.	.27	- —
l.c.l., works	lb.	.28	- .33
Parachloroanilin, dms., frt. alld. E. Miss.	lb.	.70	- —
Parachloro-orthonitroanilin, dms.	lb.	No stocks	
Paracresol, 98%, dms., works.	lb.	.45	- .48
Paracymene, dms., c.l., works.	lb.	.1595	- —
l.c.l., works	lb.	.1645	- —
tanks, works	lb.	.1545	- —
Paradibromobenzene, bgs., 500-lb. lots, works.	lb.	.45	- —
Paradichlorobenzene, dms., c.l., works.	lb.	.11	- —
l.c.l., same basis	lb.	.12½	.14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery.	lb.	.07	- —
121-123 ASTM, bbls., c.l., ref'y.	lb.	.07	- —
126-128 ASTM, bbls., c.l., ref'y.	lb.	.0750	- —
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y.	lb.	.0705	- —
122-124 ASTM, loose, c.l., ref'y.	lb.	.0715	- —
125-127 ASTM, loose, c.l., ref'y.	lb.	.0725	- —
128-130 ASTM, loose, c.l., ref'y.	lb.	.0750	- —
130-132 ASTM, loose, c.l., ref'y.	lb.	.0755	- —
132-134 ASTM, loose, c.l., ref'y.	lb.	.0780	- —
135-137 ASTM, loose, c.l., ref'y.	lb.	.0820	- —
Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.70c. per lb. higher, and under 1,000 lbs., 3.70c. per lb. higher.			
Paraformaldehyde, dms., 1,000 lbs., works.	lb.	.24	- —
smaller lots, works	lb.	.25	- —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works.	lb.	.12½	- .13¼
5-10-gal. dms., l.c.l., works.	lb.	.16½	- —
tanks, works	lb.	.11	- —
USP, cbys.	lb.	.87	- .89
Paranitroanilin, kgs., works.	lb.	.43	- —
Paranitrochlorobenzene, kgs., works.	lb.	.18	- —
Paranitrophenol, kgs., works, frt. equald.	lb.	.40	- —
Paranitrotoluene, kgs., works.	lb.	.36½	- —
Paraphenylphenol, bgs., works.	lb.	.27	- .28
Paraphenylenediamine, tech., kgs., works.	lb.	1.30	- -
Paratertiarybutylphenol, kgs., works.	lb.	.19	- .20
Paratoluenesulphonamide, bbls., works.	lb.	.70	- —
Paratoluidin, bbls., works.	lb.	.55	- .58
Pareira brava root, whole, bgs.	lb.	.30	- .31
ground, bxs.	lb.	.40	- .41
powder, bxs.	lb.	.42	- .43
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E.	lb.	.31	- —
l.c.l., same basis	lb.	.32	- .33
Passion flower herb, bls.	lb.	.26	- .28
Patchouli leaves, bls.	lb.	.45	- .50
Pectin, citrous, bbls.	lb.	1.25	- —
Penicillin, amorph., calcium, bulk, 1,000,000,000-unit lots.	100,000 units.	.10	- .11
sodium, wholesalers, bots. (100,000 units)	bot.	.24	- —
G, cryst., sodium, wholesalers (100,000 units)	bot.	.24	- —
(200,000 units)	bot.	.432	- —
Penicillin, G, cryst., bulk, 1,000,000,000-unit lots.	100,000 units.	.12½	- —
procaine, cryst., bulk, 100,000,000-unit lots.	100,000 units.	.13	- —
in oil, 10 c.c. bots. of 300,000 units, wholesalers.	bot.	8.00	- —
Pennyroyal leaves, bls.	lb.	.25	- .30
Pentachlorophenol, dms., works.	lb.	.20	- .25
Pentaerythritol, tech., bbls., c.l., works.	lb.	.32	- —
l.c.l., works	lb.	.34	- .36
Pentane, industrial, tanks, group 3	gal.	.10½	- .11½
Pepper, black, bgs.	lb.	.75	- .75½
futures, bgs., nearby	lb.	.75	- .75½
distant	lb.	.75	- .75½
Red, capsicum, Louisiana longs, bxs., shipment point.	lb.	.18	Nom
Hontaka, bgs.	lb.	.42	- .42½
Mombasa, bgs.	lb.	No stocks	
Niger, bgs.	lb.	.25	- .25½
birdseye, bgs.	lb.	.31	- .31½
Sierra Leone, futures.	lb.	.23	Nom.
Chillies, Haitian, bgs.	lb.	No stocks	
Mexican, long	lb.	No stocks	
White, bgs.	lb.	.76	- .76¼
Peppermint, USP, dom., bls.	lb.	.60	- .65
imported, bls.	lb.	.75	- .80
Perchloroethylene, dms., c.l., zone 1, works, frt. alld.	lb.	.10¾	- —
zone 2, same basis	lb.	.11¼	- —
zone 3, same basis	lb.	.11¾	- —
zone 4, same basis	lb.	.11¼	- —
l.c.l., zone 1, same basis	lb.	.11½	- —
zone 2, same basis	lb.	.12	- —
zone 3, same basis	lb.	.12½	- —
zone 4, same basis	lb.	.12	- —



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Perchloroethylene, Tanks—Red, Cadmium Lithopone

Perchloroethylene, tanks, zone 1, same basis..lb. .10½- —
zone 2, same basis..lb. .10¾- —
zone 3, same basis..lb. .11¼- —
zone 4, same basis..lb. .10¾- —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms. ..lb. .75 - .85
Petrolatum, tech., dark, bbls., c.l., group 3..lb. .021 - —
f.o.b. Indiana refy..lb. .04½- —
golden topaz, bbls., c.l..lb. .032 - —
l.c.l. ..lb. .036 - —
red, veterinary, bbls., c.l..lb. .024 - —
l.c.l. ..lb. .028 - —
USP, amber, non-ret. dms., c.l..lb. .04½- —
Pennsylvania refy..lb. .04½- —
l.c.l. ..lb. .05½- —
California refy..lb. .08½- —
cream, c.l., dms..lb. .06½- —
l.c.l. ..lb. .08½- —
extra, amber, dms., c.l..lb. .05 - —
Pennsylvania refy..lb. .04½- —
l.c.l. ..lb. .06½- —
white, lily, dms., c.l..lb. .06½- —
l.c.l. ..lb. .08½- —
snow, dms., c.l..lb. .07½- —
Pennsylvania refy..lb. .07½- —
l.c.l. ..lb. .09½- —
California refy..lb. .12 - —
soft, dms., c.l..lb. .06½- —
Pennsylvania refy..lb. .06½- —
l.c.l. ..lb. .075- —
California refy..lb. .10½- —
yellow, soft, dms., c.l..lb. .04½- —
Pennsylvania refy..lb. .04½- —
l.c.l. ..lb. .06 - —
California refy..lb. .08½- —
Petroleum, crude, bulk, at wells, California..bbl. 1.94 - 2.88
Illinois ..bbl. 2.65 - 2.77
Kentucky ..bbl. 2.60 - 2.77
Louisiana-Arkansas ..bbl. 2.14 - 2.75
Montana ..bbl. 2.50 - 2.65
Oklahoma-Kansas ..bbl. 2.26 - 2.65
Pennsylvania, lower field..bbl. 5.00 - —
Upper field..bbl. 3.10 - 5.00
Texas, East..bbl. 2.65 - —
Gulf coast..bbl. 2.38 - 2.95
North, North-Central..bbl. 2.23 - 2.65
Panhandle ..bbl. 2.23 - 2.65
West ..bbl. 2.10 - 2.52
Wyoming ..bbl. 1.50 - 2.65
Ether, laboratory, 50°-60° C, cns., dlvd. E..gal. 1.50 - —
dms., c.l., group 5..gal. .26 - —
l.c.l., same basis..gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3..gal. .26 - —
l.c.l., same basis..gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3..gal. .26 - —
l.c.l., same basis..gal. .44 - —
90°-160° C, ref. dms., ex-tax, f.o.b. San Francisco..gal. .57 - —
Fuel oil, bunker C (No. 6), California, heavy tanks, refinery..bbl. 2.10 - 2.20
light, tanks, refinery..bbl. 2.35 - 2.40
Eastern, tanks, Albany, N.Y..bbl. 3.249 - —
Baltimore, Md. ..bbl. 3.03 - 3.17
Boston, Mass. ..bbl. 3.055 - 3.315
Charleston, S. C. ..bbl. 2.96 - —
Jacksonville, Fla. ..bbl. 2.99 - 3.41
New York, N. Y. ..bbl. 3.03 - 3.57
Norfolk, Va. ..bbl. 3.00 - 3.04
Philadelphia, Pa. ..bbl. 3.03 - 3.27
Portland, Me. ..bbl. 3.0 - 3.115
Providence, R. I. ..bbl. 3. 15 - 3.085
Savannah, Ga. ..bbl. 2.99 - 3.03
Diesel, tanks, refinery, California, gal. .0785- .093
Pennsylvania ..gal. .11 - .125
Furnace, tanks, refinery, Arkansas, No. 2..gal. .09125- —
No. 3 ..gal. .08875- —
Bayonne, N. J., No. 2..gal. .094 - —
Group 3, No. 1..gal. .09125- .0925
No. 1, straw..gal. .09375- —
No. 2, straw..gal. .09 - .10
No. 3 ..gal. .0925- —
range ..gal. .095 - —
Pennsylvania, No. 1..gal. .1125- .13
No. 2..gal. .11 - .13
No. 3..gal. .11 - .125
Lacquer diluent, California, 170-205 F. b.r., tanks, ex-tax, f.o.b. Los Angeles..gal. .147 - —
Portland, Ore. ..gal. .158 - —
San Francisco ..gal. .152 - —
Seattle, Wash. ..gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Hexane-type, tanks, Bayonne, N. J. gal. .16 - —
Group 3, benzol-type, tanks, refinery..gal. .1225- .13
toluol-type, tanks, refinery..gal. .1225- .13
Mineral spirits, California, 170-255 e.r., tanks, ex-tax, f.o.b. San Francisco..gal. .152 - —
205-295 b.r., tanks, same basis..gal. .152 - —
245-360 b.r., tanks, same basis..gal. .152 - —
305-392 b.r., tanks, same basis..gal. .142 - —
312-400 b.r., tanks, same basis..gal. .142 - —
360-455 b.r., tanks, same basis..gal. .152 - —
East coast, tanks, N. J., N. Y., refinery..gal. .14 - —
Group 3, tanks..gal. .1025- .115
Gulf coast, tanks, refinery..gal. .0875- —
Naphtha, laboratory, 50°-60° C, cns., dlvd. E..gal. 1.50 - —
dms., c.l., group 5..gal. .26 - —
l.c.l., same basis..gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3..gal. .26 - —
l.c.l., same basis..gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3..gal. .26 - —
l.c.l., same basis..gal. .44 - —
90°-160° C, ref. dms., ex-tax, f.o.b. San Francisco..gal. .57 - —
Fuel oil, bunker C (No. 6), California, heavy tanks, refinery..bbl. 2.10 - 2.20
light, tanks, refinery..bbl. 2.35 - 2.40
Eastern, tanks, Albany, N.Y..bbl. 3.249 - —
Baltimore, Md. ..bbl. 3.03 - 3.17
Boston, Mass. ..bbl. 3.055 - 3.315
Charleston, S. C. ..bbl. 2.96 - —
Jacksonville, Fla. ..bbl. 2.99 - 3.41
New York, N. Y. ..bbl. 3.03 - 3.57
Norfolk, Va. ..bbl. 3.00 - 3.04
Philadelphia, Pa. ..bbl. 3.03 - 3.27
Portland, Me. ..bbl. 3.0 - 3.115
Providence, R. I. ..bbl. 3. 15 - 3.085
Savannah, Ga. ..bbl. 2.99 - 3.03
Diesel, tanks, refinery, California, gal. .0785- .093
Pennsylvania ..gal. .11 - .125
Furnace, tanks, refinery, Arkansas, No. 2..gal. .09125- —
No. 3 ..gal. .08875- —
Bayonne, N. J., No. 2..gal. .094 - —
Group 3, No. 1..gal. .09125- .0925
No. 1, straw..gal. .09375- —
No. 2, straw..gal. .09 - .10
No. 3 ..gal. .0925- —
range ..gal. .095 - —
Pennsylvania, No. 1..gal. .1125- .13
No. 2..gal. .11 - .13
No. 3..gal. .11 - .125
Lacquer diluent, California, 170-255 F. b.r., tanks, ex-tax, f.o.b. Los Angeles..gal. .147 - —
Portland, Ore. ..gal. .158 - —
San Francisco ..gal. .152 - —
Seattle, Wash. ..gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Hexane-type, tanks, Bayonne, N. J. gal. .16 - —
Group 3, benzol-type, tanks, refinery..gal. .1225- .13
toluol-type, tanks, refinery..gal. .1225- .13
Mineral spirits, California, 170-255 e.r., tanks, ex-tax, f.o.b. San Francisco..gal. .152 - —
205-295 b.r., tanks, same basis..gal. .152 - —
245-360 b.r., tanks, same basis..gal. .152 - —
305-392 b.r., tanks, same basis..gal. .142 - —
312-400 b.r., tanks, same basis..gal. .142 - —
360-455 b.r., tanks, same basis..gal. .152 - —
East coast, tanks, N. J., N. Y., refinery..gal. .14 - —
Group 3, tanks..gal. .1025- .115
Gulf coast, tanks, refinery..gal. .0875- —
Naphtha, cleaners, California, tanks, San Francisco..gal. .123 - —
East coast, tanks, N. J., N. Y., refinery..gal. .14 - —
Group 3, tanks..gal. .10625- .12
tankwagons, St. Louis..gal. .1470- —
Newark ..gal. .15 - —
Chicago ..gal. .1425- —
Detroit ..gal. .1525- —
New York ..gal. .15 - —
Philadelphia ..gal. .15 - —
High-flash, 149° F, group 3, refinery, tanks..gal. .13 - .145

Petroleum, naphtha, high-solvency, tanks, refinery, 280-285 b.r., 37-38° C, mixed anilin pt..gal. .22 - —
25-26° C, m.a.p. ..gal. .21 - .26½
270-370 b.r., 78-81° C, m.a.p. gal. .24½- 26
49° C, m.a.p. ..gal. .22 - —
26° C, m.a.p. ..gal. .21 - 26
300-400 b.r., 26-32° C, m.a.p. gal. .21 - .26½
340-410 b.r., 32° C, m.a.p..gal. .21 - —
36° C, m.a.p. ..gal. .21 - .28½
340-410 b.r., 32° C, m.a.p..gal. .20½- —
360-480 b.r., 25° C, m.a.p..gal. .21 - —
V.M.&P., California, 245-360 b.r., tanks, ex-tax, f.o.b. Los Angeles..gal. .147 - —
Portland, Ore. ..gal. .158 - —
San Francisco ..gal. .152 - —
Seattle, Wash. ..gal. .158 - —
Calif., 205-290 b.r., tanks, ex-tax, f.o.b. Los Angeles..gal. .147 - —
Portland, Ore. ..gal. .158 - —
San Francisco ..gal. .152 - —
Seattle, Wash. ..gal. .158 - —
East coast, N. J., N. Y., tanks..gal. .15 - —
Group 3, tanks..gal. .11 - .1175
Stoddard, California, tanks, ex-tax, San Francisco..gal. .142 - —
East coast, N. J., N. Y., tanks..gal. .14 - —
Group 3, tanks..gal. .10 - .1175
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston..gal. .16 - —
Chicago ..gal. .1525- —
Detroit ..gal. .1725- —
Milwaukee ..gal. .1625- —
Minneapolis ..gal. .164 - —
Newark ..gal. .15 - —
New York ..gal. .15 - —
Philadelphia ..gal. .15 - —
Pittsburgh ..gal. .15 - —
St. Louis..gal. .17 - —
Syracuse ..gal. .17 - —
Sulphonate, 70% sulphonic content, ref. dms., c.l., wks..lb. .1525- —
l.c.l., works ..lb. .1525- —
tanks, works ..lb. .1325- —
60% sulphonic content, ref. dms., c.l., works..lb. .1225- —
l.c.l., works ..lb. .1225- —
tanks, works ..lb. .1025- —
Phenobarbital, dms., 100 lbs..lb. 4.00 - 4.35
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, and frt. equald.. lb. .1325- .14
l.c.l., same basis..lb. .1425- .1475
tanks, same basis..lb. .1225- .13
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .1425- .1475
l.c.l., same basis..lb. .15 - .1525
tanks, same basis..lb. .1325- .1375
USP, dms., c.l., same basis..lb. .13 - .1375
l.c.l., same basis..lb. .1325- .14
tanks, same basis..lb. .12 - —
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs..lb. 1.00 - —
smaller lots..lb. 1.01 - 1.04
Phenothiazine, NF, fib dms., ton lots, works..lb. .49 - —
smaller lots, works..lb. .54 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 - 2.75
pure, bots. ..lb. 4.00 - 4.80
Phenyl acetate, dms., 100-lb lots, works..lb. .50 - —
Phenyldiethanolamine, dms., c.l., wks. lb. .3425- —
l.c.l., works..lb. .35 - —
Phenylethanolamine, dms., c.l., works, lb. .6425- —
l.c.l. same basis..lb. .65 - —
Phenylethyl acetate, dms. ..lb. 1.65 - 2.70
Phenylethylphenyl acetate, bots..lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots..lb. 3.00 - 3.07
Hydrochloride, CP, bots., works..lb. 5.00 - 5.07
commercial, kgs., works ..lb. 1.75 - —
Phenylmethylpyrazolone, dms., works, lb. 1.58 - 1.60
Phloroglucinol, CP, fib dms..lb. 13.75 - —
tech., fib dms..lb. 10.00 - —
Phosgene, 150-lb. cyls., works..lb. .2025- .27
10-lb cyls., works..lb. 1.50 - —
Phosphate, defluorinated (see under D.).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66% b.p.l., bulk, c.l., car at mine..long ton 4.61 - —
70%-68% b.p.l., c.l., same basis..long ton 5.01 - —
72%-70% b.p.l., c.l., same basis..long ton 5.31 - 5.61
75%-74% b.p.l., same basis, long ton 6.31 - 6.51
77%-76% b.p.l., c.l., same basis..long ton 7.31 - —
finely ground, 65.5% b.p.l., basis 30% P_2O_5 minimum..short ton 5.78 - —
68% b.p.l., basis 31% P_2O_5 minimum..short ton 5.98 - —
70% b.p.l., basis 32% P_2O_5 minimum..short ton 6.93 - —
Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-26% P_2O_5..long ton 6.00 - —
30-29% P_2O_5..long ton 6.75 - —
Phosphorus, red, amorphous, cs...lb. .53 - .36
tins, export ..lb. .40 - .45
Yellow, cns. ..lb. .30 - .37
dms., c.l. ..lb. .26 - —
Oxychloride, dms., works..lb. .12 - .15
Pentoxide, dms., c.l., works..lb. .13 - —
l.c.l., works ..lb. .13 - .14
Sesquisulphide, tins, cs., works..lb. .28 - .29
Trichloride, dms., c.l., works..lb. .12 - .15
l.c.l., works..lb. .13 - .16
Phthalamide, bbls., works..lb. .35 - .40
kgs., works ..lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald..lb. .1925- .2225
Pacific Coast, dlvd..lb. .2125- —
l.c.l., frt. equald..lb. .2025- .2325
Pacific Coast, dlvd..lb. .2325- —
Picbi leaves, bgs..lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. ..oz 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials..oz 6.50 - 7.50
Nitrate, bots. vials ..oz 6.25 - 7.25
Pimento, Jamaica, bgs..lb. .25 - .25½
Pinetar, retort, dms. incl., c.l., works, South..gal. .4314- —
l.c.l., same basis..gal. .4514- —
whse., N.Y.C..gal. .5114- —
tanks, works, South..gal. .3414- —
Pinkroot, bls..lb. 2.25 - 2.30
Piperidine, 95%, dms., frt. equald..lb. 1.65 - —
98%, dms., same basis..lb. 1.75 - —
Piperazine hexahydrate, bots..lb. 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150° m.p., bbls., c.l., works..ton 31.00 - —
l.c.l., works ..ton 34.00 - —
Cottonseed, dms., works..lb. .10½- .10¾
Hardwood, paper bgs., works..lb. .04 - —
Linseed, dms... ..lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East..100 lbs. 6.90 - —
Soybean, dms., works..lb. .10¼- .10¾
Plaster of paris (see Gypsum).
Platinum metal, works..oz 93.00 - 96.00
Podophyllin, dms..lb. 14.25 - —
Pokeroot, bls. ..lb. .71 - .18
Polystyrene, plain colors, bgs., 30,000 lbs., works, frt. alld..lb. .33 - —
20,000 lbs., same basis..lb. .34 - —
smaller lots, same basis..lb. .35 - .42
Plain color polystyrene prices in dms., ½c. per lb higher
water-clear, bgs., 30,000 lbs., works, frt. alld..lb. .27 - —
20,000 lbs., same oasis..lb. .28 - —
smaller lots, same basis..lb. .29 - .35
Pomegranate root bark, bgs..lb. .75 - .76
Poppy flowers, bls. ..lb. .50 - .55
Seed, Danish, bgs., futures..lb. .2414- .25
Dutch, bgs. ..lb. .20 - .2014
Turkish, bgs. ..lb. .1314- .14
futures, bgs. ..lb. .13 - .1314
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works..100 lbs. 10.35 - —
liquid, dms., c.l., works..100 lbs. 9.00 - —
l.c.l., works..100 lbs. 9.75 - —
tanks, works ..100 lbs. 8.25 - —
solid, 90%, dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works..100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works..lb. .0785- —
l.c.l., works..lb. .0860- —
liquid, 45% basis, dms., c.l., works..lb. .03575- —
l.c.l., same basis ..lb. .0395- —
tanks, same basis..lb. .0314- —
solid, 88-92%, dms., c.l., works..lb. .0714- —
l.c.l. ..lb. .08 - —
Potassium abietate..lb. .08 - —
Acetate, USP, dms..lb. .28 - .30
Bicarbonate, USP, gran., dms....lb. .20 - .22
powd., dms..lb. .22 - .24
Bichromate, bgs., c.l., works..lb. .1214- —
l.c.l. ..lb. .1234- .1214
Potash bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works..ton 200.00 - —
ton lots, works..ton 218.50 - —
less ton lots, works..ton 223.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .48 - —
25-200 lbs ..lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs..lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works..lb. .0714- —
l.c.l., same basis ..lb. .08 - —
hydrated, 83-85%, bbls., c.l. works..lb. .06 - —
dms., l.c.l. works ..lb. .0614- —
Carbonate, USP, gran., bbls., dms..lb. .16 - .18
powd., bbls., dms..lb. .21 - .23
Chromate, tech., bgs..lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .0814- —
l.c.l., works..lb. .0914- —
powd., dms., kgs., c.l., works..lb. .09 - —
l.c.l., works..lb. .0914- —
export, kgs., 1 to 10 tons, ex whse..lb. .12 - —
Chloride, USP cryst., bbls..lb. .26 - .27
gran., bbls ..lb. .26 - .32
powd., bbls..lb. .29 - .32
Citrate, USP, gran., dms....lb. .3714- .4214
Potash citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works..lb. .55 - —
Fluoride, dms., works..lb. .24 - —
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guaiacol sulphonate, NF, dms....lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, sticks, cns..lb. .34 - .36
Hypophosphite, dms..lb. .78 - —
Iodide, dms..lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines.. unit-ton. .20 - —
25% K_2O, bulk, mines..unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls..lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M...unit-ton. .3714- —
Trona, Cal. ..unit-ton. .4514- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls..lb. .30 - —
Perchlorate, kgs., works..lb. .1214- .14
Permanganate, tech., kegs works. lb. .2134- .2214
USP, dms., works..lb. .2334- .24
Persulphate, dms., c.l., works....lb. .17 - —
l.c.l., works..lb. .21 - —
Phosphate, tetrabasic, bbls., works. lb. .13 - .1314
Prussiate, red, kgs..lb. .55 - .58
Yellow, bbls..lb. .19 - —
Riemolcate, tech., bbls..lb. .18 - —
Silicate, glass, bgs., c.l., works..ton 200.00 - —
l.c.l. ..100 lbs. 15.25 - —
solution, 29° Be. ref. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works..100 lbs. 5.50 - —
32° Be, ref. dms., c.l., works... 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works..100 lbs. 6.00 - —
solut., 40.5° Be, ref., dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works..100 lbs. 7.00 - —
Silicofluoride, dms., works..lb. .09 - —
Sulphate, NF, cryst., bbls..lb. .31 - .33
powd., bbls..lb. .1414- .15
tech., dom., bulk, basis 90-95% K_2SO_4 min. 90%, works..ton 32.50 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms....lb. .70 - .78
tech., works ..lb. .45 - .50
Titanate, cbys, c.l., works..lb. .12 - —
5 tons, works..lb. .1214- —
1 ton or less, works..lb. .1214- .13
Xanthate, dms., c.l...lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, works..ton 14.50 - —
Potassium-sodium ferricyanide, kgs., works..lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium - titanium oxalate, bbls., dms..lb. .50 - .55
Prickly ash bark, bls..lb. .28 - .33
Berries, bgs. ..lb. .60 - .65
Prince's pine herb, bls..lb. .55 - .60
Procaine hydrochloride, cns., 200-lb lots..lb. 4.75 - —
smaller lots ..lb. 5.00 - 5.75

Propane, commercial grade, tanks, group 3..gal. .057 - —
Propionaldehyde, dms., c.l., works..lb. .1014- —
l.c.l., works ..lb. .17 - —
tanks, works ..lb. .15 - —
Propyl aldehyde (see Propionaldehyde).
Propyl acetate, dms., c.l., works....lb. .1014- —
l.c.l., works..lb. .2014- —
tanks, works..lb. .18 - —
tankwagons, works..lb. .1514- —
Propylene dichloride, dms., c.l.....lb. .0814- —
l.c.l. ..lb. .0914- —
smaller containers..lb. .1214- —
tanks ..lb. .07 - —
Oxide, dms., c.l., frt. alld. E....lb. .2014- —
l.c.l., frt. alld. E..lb. .2114- —
tanks, frt. equald. E..lb. .1814- —
Propyleneglycol, N.F., dms., c.l., frt. alld. E..lb. .17 - —
l.c.l., same basis..lb. .18 - —
tanks, same basis..lb. .1514- —
Propylthiouracil, bots. works....kllo 50 00 - —
Psyllium seed (see Flaxseed).
Pulsatilla herb, bls. ..lb. .55 - .60
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .0314- .04
Chicago, bgs., ton lots..lb. .0414- —
smaller lots..lb. .0314- .0414
fine, bgs., ton lots..lb. .0314- —
smaller lots ..lb. .0314- .04
Italian, silk-screen, fine, bgs., ton lots..lb. .04 - —
coarse, bgs., ton..lb. .0514- —
sun dried, fine, bgs., ton lots..lb. .03 - —
coarse, bgs., ton lots..lb. .0414- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs. ..lb. .25 - .26
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works..lb. 7.10 - 7.35
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works..gal 5.50 - —
regular base, dms., works..gal 5.40 - —
(30 to 1), base 3 grams pyrethrins, per 100cc. odorless base, bbls., works..gal. 8.15 - —
regular base, dms., works..gal 8.10 - —
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works....lb. .26 - —
powder, 1.3% pyrethrins, bbls., works..lb. .38 - —
Pyridin, denaturing ref. dms., works and frt. equald..gal. 2.49 - 2.52
refd., 2° non-ret. dms., c.l., same basis..lb. .69 - .70
l.c.l., same basis..lb. .6914- .7014
ret. dms., l.c.l., same basis....lb. .69 - .80
Pyridoxin hydrochloride, 100-gram lots. gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports, long-ton 8.00 - —
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines..ton 11.00 11.50
250 mesh, bulk, c.l., mines..ton 12.00 - —
325 mesh, bulk, c.l., mines..ton 14.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines..ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines..ton 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works..lb. .14 - —
gray, cs., works..lb. .14 - —
mixed, mottled, cs., works..lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works..lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works..lb. .17 - —
shavings, opaque, amber, cs., works, lb. .15 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works..lb. .17 - —

Q

Quassia chips, bls..lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l...lb. .1714- —
liq., 35% tannin, bbls., works..lb. .0914- —
tanks, same basis..lb. .09 - —
solid, 64% tannin, bgs., c.l...lb. .14 - —
powd., 70% tannin, bgs., c.l..lb. .18 - —
ordinary, solid, 62½ tannin, bgs., c.l., ex dock, duty extra..lb. .1275- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root bgs....lb. .12 - .18
Quercitron crystals, bbls., l.c.l...... lb. .3314- —
Extract, liquid, bbls., l.c.l...... lb. .1414- —
solid, bxs..lb. .28 - —
Quicksilver, flasks (76 lbs.) net..flask. 76.00 - 78.00
Quince seed, bgs...lb. .95 - 1.15
Quinidine, NF, V, cryst., cns....oz. 1.30 - —
powd., precip., cns..oz. 1.22 Nom.
Sulphate, USP, cns..oz. .95 - —
Quinine, NF, cns., 100 ozs..oz. 1.00 - —
Arsenate, cns 100 ozs..oz. 1.30 - —
Bisulphate, USP, cns., 100 ozs....oz. .73 - —
Dihydrobromide, bots., 50 ozs....oz. 1.60 Nom.
Dihydrochloride, USP..oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs.oz. .95 Nom.
Formate, cns., 100 ozs..oz. 1.20 Nom.
Hydrobromide, NF, cns., 50-oz cns. oz. .91 - —
Hydrochloride, USP, cns., 100 ozs.oz. .91 - —
Hypophosphite, cns., 100 ozs....oz. 1.10 - —
Phosphate, NF, cns., 100 ozs....oz. 1.10 - —
Salicylate, NF, cns., 100 ozs....oz. .95 - —
Sulphate, USP, cns., 100 ozs....oz. .80¼- —
Tannate, USP X, cns., 100 ozs....oz. .60 Nom.
Valerate, NF, IV, 100 ozs....oz. 1.25 - —
Quinine-urea hydrochloride, NF, cns.oz. .97 - —
Quinolin, dms., c.l., works..lb. .3414- .35
l.c.l., works..lb. .35 - .3514

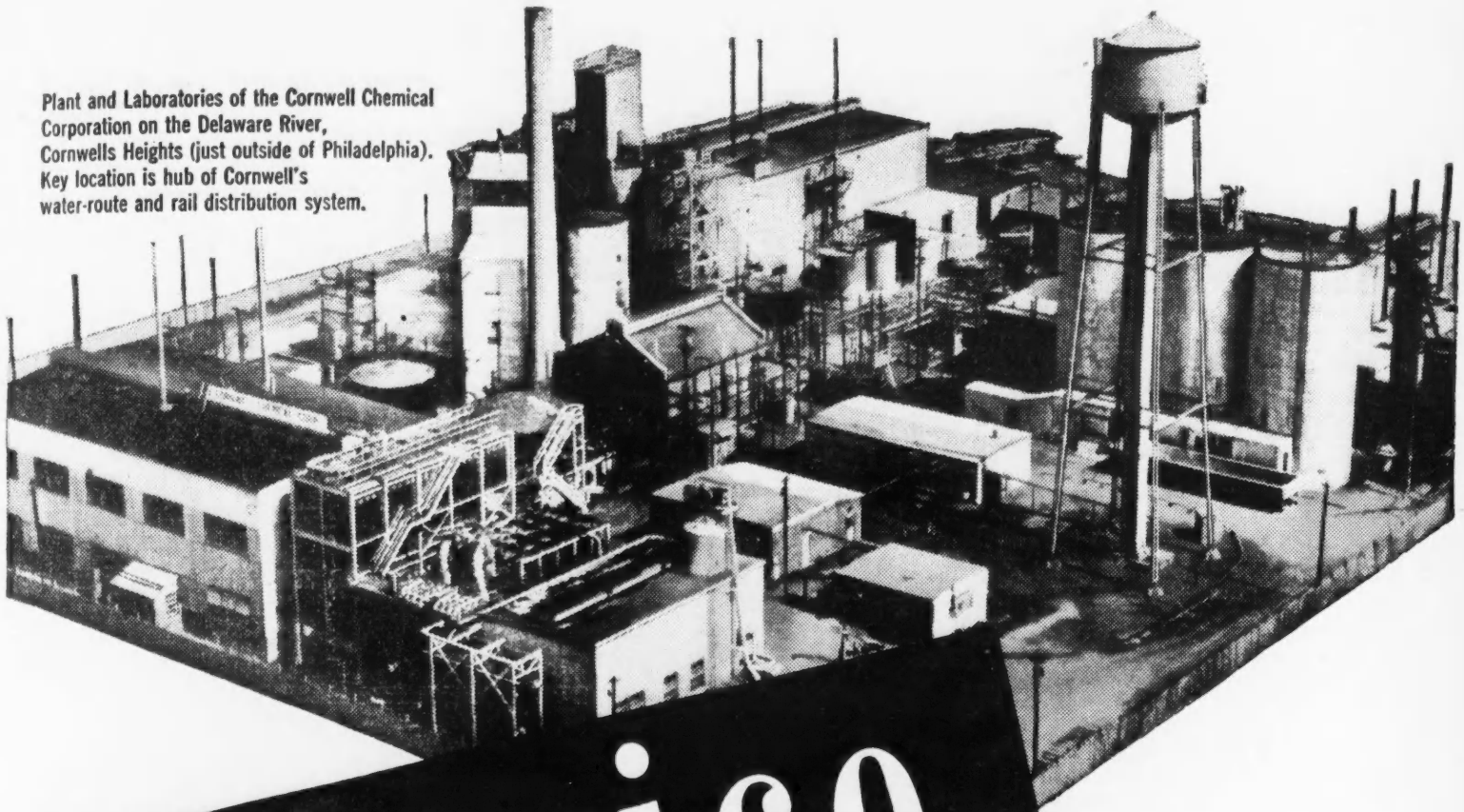
R

R salt, dry, bbls..lb. .69 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.45 - 2.25

Prices 5c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, l.c.l. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita

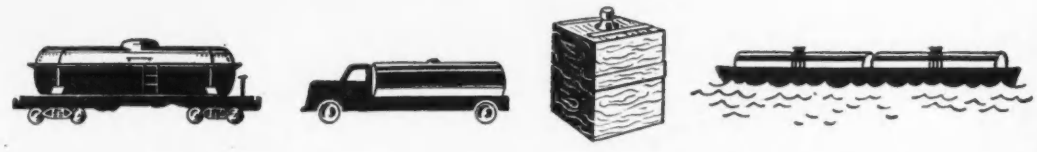
Cadmium lithopone, deep shade, bbls., frt. alld. E of Rockies..lb. 1.25 - —
light shade, bbls., same basis..lb. 1.10 - —
maroon, bbls., same basis..lb. 1.35 - 1.45
medium shade, bbls., same basis. lb 1.20 - —
medium-light shade, bbls., same basis..lb. 1.15 - —
orange-red, bbls., same basis..lb. 1.05 - —

Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.



Plant and Laboratories of the Cornwell Chemical Corporation on the Delaware River, Cornwells Heights (just outside of Philadelphia). Key location is hub of Cornwell's water-route and rail distribution system.

service



SULPHURIC ACID
60° 66° 98% 100%

ELECTROLYTE ACID
—from 1.225 Sp. G. to 1.835 Sp. G.

MURIATIC ACID
18° 20° 22°

NITRIC ACID
36° 38° 40° 42°

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SALT CAKE
(Sodium Sulphate)

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AUG 30 1948
XUM

Red, Carmine No. 40—Soda Ash

Red, carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon, iron oxide).
Dyes (see Dyes, coaltar)
Eosin toner, bbls., works..lb. 1.35 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.. lb. .11½- .11¾
Iron oxide, synth., bgs..lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J..lb. .05¼- .09¼
Lake C toner, alizarin, bbls., works..lb. 1.05 - —
Lithol toner, bbls., works..lb. .80 - —
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.40 - —
Maroon, alizarin lake, 25%, bgs., works..lb. .40 - .43
toner, bbls., works..lb. 1.35 - 1.50
Cadmium, deep, bbls., works..lb. 1.20 - —
regular, bbls., works..lb. 1.10 - —
Iron oxide, bgs., l.c.l., works..lb. .04 - —
MNPT toner, kgs., works..lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works..lb 2.00 - —
smaller lots, works..lb 2.02 - —
Metallic, bbls., works..lb. .02¼- .02¾
Oxide (see Red, iron oxide).
Oxide, Persian gulf, bgs., works..lb. .06¾- .07
Para toner, bbls..lb. .85 - .89
chlorinated, kgs..lb. .95 - 1.05
concentrated, alizarin lake, kgs., works..lb. .80 - —
Red, phloxin toner (see eosin toner).
Phosphotungsic, rhodamine Y, kgs., works..lb. 4.45 - —
Pink lake, alizarin, bbls., works..lb. .20 - .25
Purple lake, kgs..lb. 1.35 - —
Rose lake, alizarin, bbls., works..lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock..lb. .05½- .05¾
l.c.l., ex dock..lb. .05¾- .06
ex whse., New York..lb. .06¼- —
grade 2, bbls., c.l., ex dock..lb. .05¼- .05½
l.c.l., ex dock..lb. .05½- .05¾
ex whse., New York..lb. .06¼- —
Toluidin toner, alizarin lake, kgs., works..lb. 1.35 - —
Turkey, bbls., works..lb. .14½- —
Tuscan, bbls., frt. equald..lb. .24½- .25
Venetian, 15%, bgs., works..lb. .0350- —
20%, bgs., works..lb. .0300- —
25%, bgs., works..lb. .0410- —
30%, bgs., works..lb. .0440- —
35%, bgs., works..lb. .0465- —
40%, bgs., works..lb. .0490- —
Vermilion, Amer., bbls..lb. .22¼- .46
Quicksilver, ctns..lb. 2.27 - —
Red precipitate, NF, powd., fib. dms.lb. 2.17 - 2.19
Red saunders, wood, grd., bbls..lb. .35 - —
Resorcinol, tech., dms., works..lb. .68 - —
USP, cryst., dms., works..lb. 1.80 - —
powd., dms., works..lb. 2.00 - —
Rhatany root, bgs..lb. .09 - .10
Rhubarb root, whole, cs..lb. .45 - .50
powd., bbls..lb. .50 - .55
Riboflavin, USP, bots..kilo.125.00 - —
95%, bots..kilo.125.00 - —
Rice bran concentrate, dms., cedartown, Ga., or Emeryville, Calif.lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs..lb. .31½- —
smaller lots..lb. .32 - —
Rose flowers, pale, bls..lb. .23 - .24
Rosemary flowers, bls..lb. 1.55 - 1.05
Leaves, French, bls..lb. .33 Nom.
Portuguese, bls..lb. .08 - .08½
Spanish, bls..lb. .09 - .09½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works..100 lbs. 5.00 - —
FF, dms., c.l., works..100 lbs. 6.50 - —
G, H, I, dms., c.l., works..100 lbs. 7.40 - —
K, dms., c.l., works..100 lbs. 7.40 - —
M, dms., c.l., works..100 lbs. 7.40 - —
N, dms., c.l., works..100 lbs. 7.40 - —
WG, dms., c.l., works..100 lbs. 7.40 - —
WW, dms., c.l., works..100 lbs. 7.60 - —
X, dms., c.l., works..100 lbs. 7.70 - —
Rotenone, cryst., bbls., works..lb.18.00 -20.00
Extract, liq., dms., works, per unit of 1 percent. 2.50 - —
Powder (see Cube root).
Rottenstone, bgs., c.l., mines..ton.36.00 - —
l.c.l., mines..ton.43.00 - —
Rue herb, bls..lb. .40 - .45
Rutin, bots..gram. .23 - .29

S

Sabadilla seed, powd., bbls..lb. .42 - —
activated ground with lime, bbls.lb. .34 - .35
Saccharin, gran., soluble, 1,000 lbs..lb. 1.50 - —
smaller lots..lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots..lb. 1.55 - —
smaller lots..lb. 1.65 - 1.85
Safflower (see Saffron, Mexican).
Saffron, Mexican, bls..lb. 1.00 - 1.10
Spanish, USP, tins..lb.27.00 -28.00
boxes..lb.25.00 -26.00
Safrol, dms..lb. .78 - 1.20
Sago flour, bgs..lb. .09 - —
Dalmatian, bls..lb. .22 - .23
Greek, fancy, bls..lb. .13½- 14
Spanish, bls..lb. .13½- 14
Syrian, bgs..lb. .21 Nom.
Sago flour, bgs..lb. .08¾- .09
Salicin, bots..lb. No stocks
ens..lb. No stocks
Saligenin, dms., works..lb.20.00 -25.00
Salol, gran., bbls., kgs..lb. 1.00 - —
fib. dms..lb. 1.02 - 1.03
Powdered salol, 10c. higher
Salt, rock, bgs., c.l..ton.18.10 - —
l.c.l..ton.22.40 -23.00
Table, vacuum, common, fine, bgs., c.l., ton.19.00 -21.00
l.c.l..ton.24.40 -26.10
Saltcake, dom., bulk, works..ton 25.00 -28.00
Chrome (see Chrome saltcake).
Saltpeter, cryst., bbls., 10 tons 100 lbs.13.90 - —
smaller lots..100 lbs.14.15 -14.40
gran., bbls., 20 tons..100 lbs. 9.25 - —
smaller lots..100 lbs.10.50 -11.00
powd., bbls., 20 tons..100 lbs.10.25 - —
smaller lots..100 lbs.11.50 -12.00
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate, bots..oz. 4.75 - 5.50
Santonin, cryst., powd., cns..kilo.190.00 -200.00
Saponin, No. 1, cns..lb 2.45 - —
Sarsaparilla root, dom., bls..lb. .40 - .45
Honduras, bls..lb. .40 - .42
Mexican, bls..lb. .30 - .32
Sassafras bark, ord., bls..lb. .30 - .31
select, bls..lb. .60 - .65
Savory, French, bls..lb. .20 - 20½
Spanish, bls..lb. .14 - 14½
Saw palmetto berries, bgs..lb. .24 - .25
Scammony resin, lump, cns..lb. 2.10 - 2.25
powd., cns..lb. 2.20 - 2.30
Root, bgs..lb. .13 - .14
Schaeffer's salt, bgs..lb. .60 - .62
Seidlitz mixture, bbls., 5,000 lbs..lb. .27¾- —
smaller lots..lb. .28¼- —
kegs, 5,000 lbs..lb. .28¼- —
smaller lots..lb. .28¾- —
Selenium, powd., cns., 10-lb. lots..lb. 2.10 - —
cs., 1,000-lb lots..lb. 2.00 - —
Senega root, bls..lb. 1.95 - 2.05
Senna leaf, Alex., half-leaf, bls..lb. .26 - .27
siftings, bgs..lb. .22 - .23
Tinnevelly, No. 1, bls..lb. .20 - .24
No. 2, bls..lb. .17 - .19
No. 3, bls..lb. .13 - .14
Pods, bls..lb. .14 - .15
Serpentaria root, bls..lb. 2.50 - 2.75
Shellac, bleached, bonedry, bgs., 1,500-lb lots..lb. .62½- —
bbls., 1,500-lb. lots..lb. .63 - —
kgs., 1,500-lb. lots..lb. .65 - —
refined, bgs., 1,500-lb. lots..lb. .72½- —
bbls., 1,500-lb. lots..lb. .73 - —
kgs., 1,500-lb. lots..lb. .75 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs..lb. .68 - .69
No. 2, bgs..lb. .66 - .67
Superfine, bgs., 10 bgs..lb. .63 - .64
TN, bgs., 10 bgs..lb. .59 - .62
Shellac in 1 to 9 bgs., 1c. more.
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works..ton.26.00 -30.00
l.c.l., works..ton 25.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.00 - —
l.c.l., works..ton.20.00 - —
99½%, 140 mesh, bgs., c.l., works, ton.10.00 - —
l.c.l., works..ton.15.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works..lb. .16¼- .27
Silver bullion, ingots, cs..oz. .73¾- —
Cyanide, fib. dms., 2,500-oz lots..oz. .62¼- —
1,000-oz. lots..oz. .62½- —
500-oz. lots..oz. .62¾- —
250-oz lots..oz. .63 - —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots..oz. .48¾- —
500-oz. lots..lb. .49 - —
250-oz. lots..lb. .49¼- —
USP granular silver nitrate, 2c. per oz. higher
Proteinate, mild, USP, bots., dms., 1,000-oz. lots..oz. .45 - —
strong, bots. dms., 1,000-oz. lots. oz. .40 - —
Simarubra bark, bls..lb. .85 - .88
Skullcap herb, Eastern, bls..lb. .85 Nom.
Western, bls..lb. .30 - .35
Skunk cabbage root, bls..lb. .35 - .40
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., ex whse..ton.20.00 -00.00
Sloe berries, bgs..lb. .33 - .40
Smalt, black, ctns..lb. .11 - —
Blue, ctns..lb. .16 - —
Snakeroot, Canada, bls..lb. .50 - .55
Sonphark, bls..lb. .19 - .20
crushed, bls., bbls..lb. .26 - .27
cut, foreign, bbls..lb. .28 - .30
powd., bbls..lb. .29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points, zone 1..... 100 lbs 2.85 - —
2 .....100 lbs. 3.00 - —
3 .....100 lbs. 3.35 - —
4 .....100 lbs. 3.95 - —
bbls., c.l., works..100 lbs. 2.00 - —
l.c.l., stock points, zone 1..... 100 lbs. 3.35 - —
2 .....100 lbs. 3.50 - —
3 .....100 lbs. 3.85 - —
4 .....100 lbs. 4.45 - —
bulk, c.l., works..100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works. 100 lbs. 1.40 - —
l.c.l., stock points, zone 1..... 100 lbs. 2.75 - —
2 .....100 lbs. 2.90 - —
3 .....100 lbs. 3.25 - —
4 .....100 lbs. 3.85 - —
bbls., c.l., works..100 lbs. 1.90 - —
l.c.l., stock points, zone 1..... 100 lbs. 3.25 - —
2 .....100 lbs. 3.40 - —
3 .....100 lbs. 3.75 - —
4 .....100 lbs. 4.35 - —
bulk, c.l., works..100 lbs. 1.15 - —

Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex-warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky.; Ala., La. and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Cowles Chemicals

DRYMET

the economical detergent silicate

Write for DRYMET* FILE FOLDER containing complete technical information.

PROMPT SHIPMENTS — one package or a carload.

DRYMET is anhydrous sodium metasilicate. On the basis of both Na_2O (alkalinity) and SiO_2 (silicate) it is more economical to use than other types of hydrated or anhydrous detergent silicates.

DRYMET contains no water of crystallization. It is readily soluble in all practical concentrations at all practical temperatures. DRYMET has a total alkalinity as Na_2O of not less than 51%. It yields a pH of 11.95 in a 0.1% solution.

CRYSTAMET* — Cowles Sodium Metasilicate, pentahydrate, is also available for immediate shipment.

*Reg. U. S. Pat. Off.

The Cowles Detergent Company

HEAVY CHEMICALS DEPARTMENT

7012 EUCLID AVENUE • CLEVELAND 3, OHIO

Soda caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.45 - —
l.c.l., dlvd., zone 1.....100 lbs. 5.80 - —
zone 2.....100 lbs. 5.95 - —
zone 3.....100 lbs. 6.30 - —
zone 4.....100 lbs. 6.90 - —
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.40 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.50 - —
50%, rayon type, tanks, works, dry basis..100 lbs. 2.40 - 2.50
solid, 76%, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd. zone 1.....100 lbs. 4.40 - —
zone 2.....100 lbs. 4.55 - —
zone 3.....100 lbs. 4.90 - —
zone 4.....100 lbs. 5.40 - —

Prices f.o.b. stock points in zones indicated, minimum quantity 500 lbs.; for less than 500 lbs. prices are ex-warehouse. Soda caustic zones are same as soda ash

Sul. bgs., c.l., ex car.....100 lbs. 1.55 - —
l.c.l., bgs., ex whse.....100 lbs. 1.75 - —
Sodium acetate, anhyd., dms., works. lb. .09½- .11
NF, cryst., bbls., works..... lb. 07½- .08¾
Alginate, refined, water soluble, bbls., works. lb. .79 - —
semi refined, bbls., works..... lb. .42 - —
white, powd., dms, works..... lb. 1.50 - 1.60
Alkylbenzene sulfonate, dms., works. lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works ..... 100 lbs. 8.40 - —
other uses, bgs., c.l., works.100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., c.l., dlvd.....lb. .24 - —
l.c.l., dlvd.....lb. .30 - —
Arsenate dealers, dms., c.l., works.lb. .12 - —
l.c.l., works.....lb. — - —
Arsenite, gray, dealers, dms., c.l., works..lb. No stocks
l.c.l., works.....lb. — - —
solution, dms., works.....gal. .70 - 1.00
Benzoate, tech., bbls., 2 tons....lb. .39 - —
smaller lots .....lb. .40 - .41
USP, bbls., 2 tons.....lb. .46 - —
smaller lots .....lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l., works .....100 lbs. 3.00 - —
powd., bgs., c.l., works...100 lbs. 1.95 - —
l.c.l., works .....100 lbs. 2.60 - —
Bichromate, bgs., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .09½- .09¼
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald..lb. .11½- .12¼
l.c.l., same basis.....lb. .11¾- .12½
Bisulphate, bulk, c.l., works..100 lbs. 1.50 - —
dms., c.l., works.....100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
Bisulphite, powd., bbls., c.l., works. 100 lbs. 3.50 - —
l.c.l., works .....100 lbs. 4.00 - —
solut, 35°, bbls., c.l., works.100 lbs. 1.10 - —
l.c.l., works .....100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .33 - .34
Cacodylate, bots., dms.....lb. 9.60 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate)
Chlorate, cryst., dms., c.l., works..lb. 07¼- —
l.c.l., works .....lb. .07½- .08
powd., kgs., works.....lb. 08¾- —
Chloride (see Salt)
Chlorite, tech., dms., works.....lb. .75 - —
Chromate, bbls., dms., c.l., works.lb. .11½- —
l.c.l., works.....lb. .11¾- .11¾
Citrate, USP VIII, bbls.....lb. .21½- —
dms.....lb. .22½- .26½
USP XIII, gran., bbls.....lb. .28 - —
dms.....lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanide, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Cyanide, 96-98%, dms.....lb. .15 - .15½
Diacetate, 35-37% acidity, bbls., works..lb. .10½- .11½
anhydrous dms., works.....lb. .12 - .14½
Fluoride, white, 90%, bbls., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10 - —
95%, bbls., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .10¾- —
Formate, bgs., c.l., dlvd.....100 lbs. 7.10 - —
l.c.l.....100 lbs. 8.15 - —
Glutamate, monodesic, kgs.....lb 1.55 - 1.57
Glycerophosphate, NF, flake, bbls..lb. 1.65 - 1.80
powder, bbls. .....lb. 1.70 - 1.85
Hadrun, 75%, clys.....lb. 1.00 - 1.10
50%, clys. .....lb. .82 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld..lb. .20½- —
l.c.l., frt. alld.....lb. .21 - —
Hydroxide, tech (see Soda, caustic).
USP, sticks, dms.....lb. .24 - .29
Hypochlorite, dms.....lb. .73 - —
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald.100 lbs. 2.90 - 3.00
l.c.l., same basis.....100 lbs. 3.30 - —
pea cryst., bgs., metro area. 100 lbs. 3.30 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c higher.
USP (see Sodium thiosulphate)
Iodide, USP, dms., jars.....lb. 2.72 - 2.33
Lactate, edible, 50%, dms., c.l., works..lb. .18½- —
l.c.l., dms., works.....lb. .19 - —
tech., 50%, dms., c.l., works....lb. .12½- .15
l.c.l., dms., works.....lb. .13 - .15¼
Malonate, dms. .....lb 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton 90.50 - —
l.c.l., works .....ton 108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher
Metal, dms., works.....lb. .10½- —
Metaphos, bgs.....lb. .48 - —
Metasilicate, anhyd., bbls., c.l., works. 100 lbs 4.00 - —
gran., bgs., c.l., works.....100 lbs 3.25 - —
l.c.l. .....100 lbs. 4.25 - 4.60
bbls., c.l., works.....100 lbs 3.65 - —
l.c.l. .....100 lbs. 4.75 - 5.00
Molybdate, anhyd., works.....lb. .50 - —
Monohydrate, bgs., c.l., works. 100 lbs. 2.00 - —
l.c.l., works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .60 - —
Nitrate, crude, dom., bgs., c.l., works, ton 45.50 - —
bulk, c.l., works.....ton 42.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. wise..ton 51.50 - —
bulk, c.l., same basis.....ton 48.00 - —
Nitrite, 96%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast ports...100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 5.25 - —
l.c.l., same basis.....100 lbs. 5.55 - 7.1
hydrated, flake, bbls.,c.l., works. 100 lbs. 4.25 - —
l.c.l., works .....100 lbs. 5.30 - 5.75

Sodium oxalate, neut., bgs., works..lb. .09 - .10
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .19
powd., bgs., c.l., same basis..lb. .16 - .16¾
l.c.l., same basis.....lb. .17 - —
kgs., l.c.l. works, frt. equald..lb. .19 - —
Perborate, USP, tech., bbls., c.l., works..lb. .17¾- —
l.c.l., works .....lb. .18¼- —
Peroxide, dms., c.l., dlvd. E. of M'ss. lb. .16 - —
smaller lots, same basis.....lb. .19 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 7.80 - —
l.c.l., works .....100 lbs. 8.20 - —
cryst., bgs., c.l., works..100 lbs. 3.25 - 3.50
l.c.l., works .....100 lbs. 3.75 - 3.90
NF, dried, powd., dms., works.lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works, 100 lbs.12.45 - —
l.c.l., works.....100 lbs 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 9.00 - —
l.c.l., same basis.....100 lbs. 9.90 - —
cryst., bgs., c.l., works, frt. equald..100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —

Sodium phosphates in bbls., 40c. higher than bgs.

USP (see Sodium phosphate, dibasic).
Phosphoaluminate, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.50 - 8.00
Prussiate, yellow, bgs.....lb. .12 - —
bbls. .....lb. .12¼- —

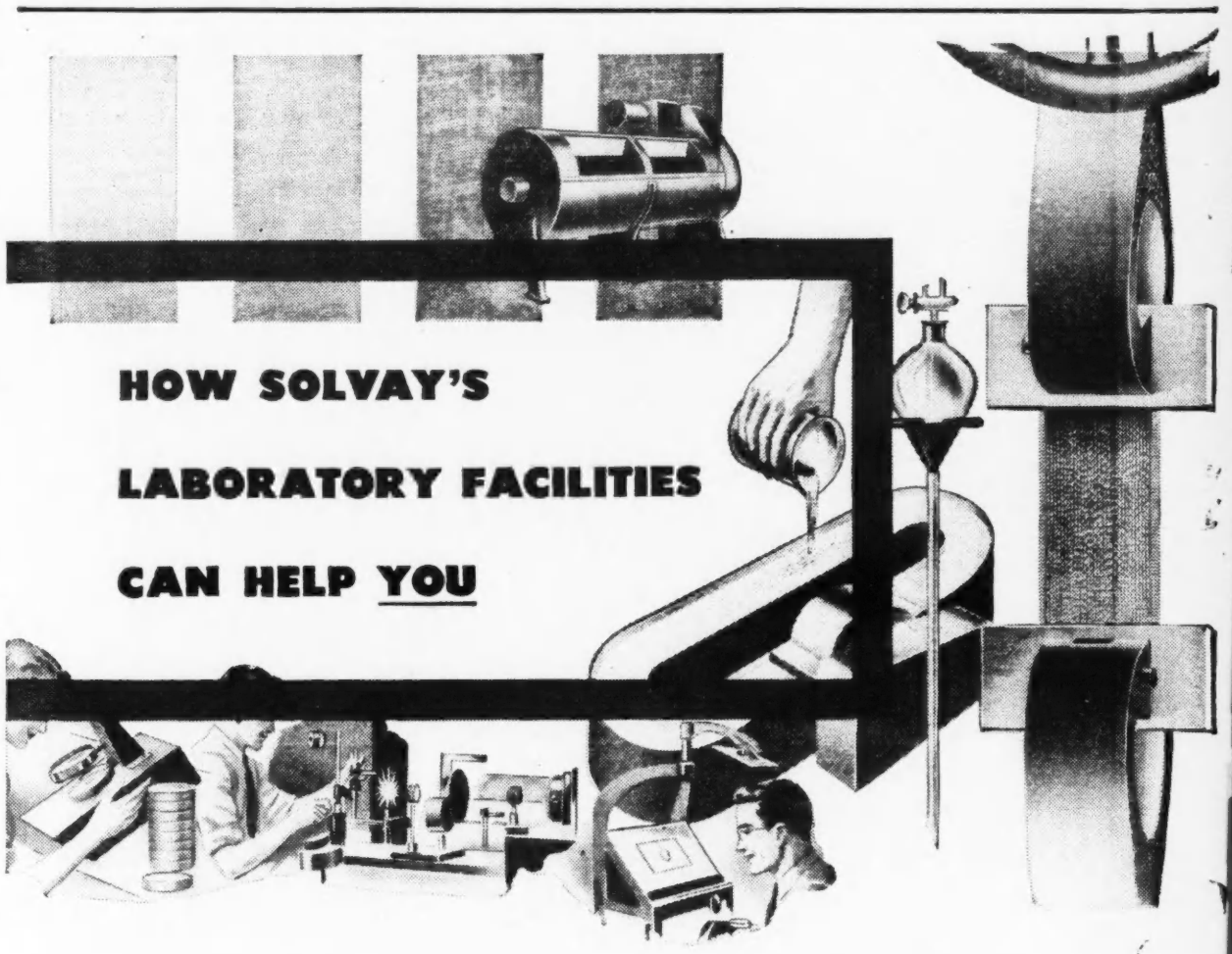
Sodium pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.11.25 -13.00
l.c.l., same basis.....100 lbs.11.75 -13.50
ferric, dms., 10,000 lbs., works. lb. .22 - —
smaller lots works.....lb .22½- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 6.50 - 6.65
l.c.l. .....100 lbs. 7.00 - 7.15
Ricinoleate, tech., bbls.....lb. No stocks
Salicylate, dms.....lb. .67 - .60
Sesquicarbonate, bgs., c.l., works... 100 lbs. 1.95 - —
bbls., c.l., works.....100 lbs. 2.45 - —
l.c.l. bgs., dlvd. zone 1....100 lbs. 3.45 - —
zone 2 .....100 lbs. 3.60 - —
zone 3 .....100 lbs. 3.85 - —
zone 4 .....100 lbs. 4.25 - —

Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash

Sesquisilicate, bbls., c.l., works..... 100 lbs. 4.15 - —
l.c.l. dlvd. ..... 100 lbs. 5.40 - 5.65
Silicate, 40°, turbid., dms., c.l., works..100 lbs. 1.00 - —
l.c.l. works .....100 lbs. 1.25 - 1.35
tanks, works.....ton 16.00 -17.00
52°, turbid, dms., c.l., works..... 100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - 2.15
tanks, works.....ton 32.00 - —
Silicofluoride, bbls., c.l., works....lb. .05 - —
l.c.l., works.....lb. .05½- .06
Stannate dms., works, frt. alld. E..lb. .58 - —

Soda Caustic—Sodium Thiocyanate

Sodium stearate, bbls., works.....lb. .19 - .24
Sulphate, NF VII, dried powd., bbls. lb. .16 - .16¼
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs 2.35 - 2.60
cryst (see Glauber's salt)
USP, cryst., gran., bbls.....lb. 15 - .15½
Sulphonilate, bbls., works.....lb. .22 - —
Sulphide, cryst., bbls., c.l., works... 100 lbs. 3.50 - —
l.c.l., dlvd. .....100 lbs 3.90 - —
flake, bbls., c.l., works....100 lbs. 4.50 - 6.00
l.c.l., works .....100 lbs. 4.75 - 6.40
fused, bbls., c.l., works....100 lbs. 4.00 - 5.75
l.c.l., dlvd. .....100 lbs. 5.25 - 6.50
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald..100 lbs. 2.50 - 2.75
l.c.l., same basis.....100 lbs 3.25 - 3.45
crystals, bgs., c.l., works...100 lbs. 3.25 - —
l.c.l., works .....100 lbs. 3.75 - —
bbls., c.l., works.....100 lbs. 3.40 - —
l.c.l., works .....100 lbs. 3.80 - —
powd., bbls., c.l., works...100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP (X), gran., bbls., dms..lb 33 - .34
powd., bbls.....lb. 36 - .37
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls.....lb. .12 - —
Sulphydrate, flake, 70-72%, dms., c.l., lb. .05 - —
liquid, 45%, tanks, works....ton 95.00 - —
Thiocyanate, CP, dms.....lb. .55 - .60
tech., dms., works.....lb. .50 - —



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Manufacturer ... processor ... convertor—*everyone* needs help sometimes in overcoming a production problem involving alkalies and associated chemicals. And at such times, SOLVAY Laboratory Facilities may be able to help you find the solution.

SOLVAY Laboratory Facilities include special equipment for serving industries that consume SOLVAY products. This equipment is in almost constant use in connection with our studies of problems from industries such as glass, paper, textile, bottling, sanitation, cleaning and laundry. SOLVAY Laboratory Facilities are intended to supplement the work of your own laboratory ... and to offer you additional facilities which your technical department may not have.

Should you run into some difficulty in the utilization of our products—don't hesitate to ask SOLVAY TECHNICAL SERVICE for help. If it involves alkalies or associated products, we are ready to serve you! Write us about your problems in strict confidence—there's no cost or obligation.

Industry-Wise
SOLVAY Technical Service
Specialists in Specific Industries

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

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Sodium Titanate—Tetrapotassium Phosphate

Sodium titanate, ctns., c.l., works..lb. .10 - —
5 tons, works.....lb. .10¼- —
1 ton or less, works.....lb. .10½- .13¼
Tripolyphosphate, bgs., c.l., works, frt. equald..lb. .07¼- —
l.c.l. .....lb. .07¾- —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls.....lb. .10 - .12
Tungstate, tech., bgs. .....lb. 1.30 - 1.35
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. .23 - —
Sodium-carboxymethylcellulose, high vis., ctns., 2,000 lbs., works frt. alld...lb. .66 - —
smaller quantities, same basis..lb. .70 - —
low and medium vis., ctns., 2,000 lbs., same basis..lb. .62 - —
smaller quantities, same basis.lb. .66 - —
Sodium-cinchophen, bots., dms., works, lb. 5.00 - 5.10
Sodium-formaldehyde sulfoxylate, dlvd., dms..lb. .22 - .26
Sodium-sulpha drugs (see Sulpha name).
Solvent naphtha, coaltar, dms., works, gal. .27 - .30
high-flash, dms., works.....gal. .27 - .30
Solvent naphtha, petroleum, 100° F. flash, tanks, Baytown, Tex. gal. .27 - —
150°F. flash, tanks, same basis, gal. .27 - —

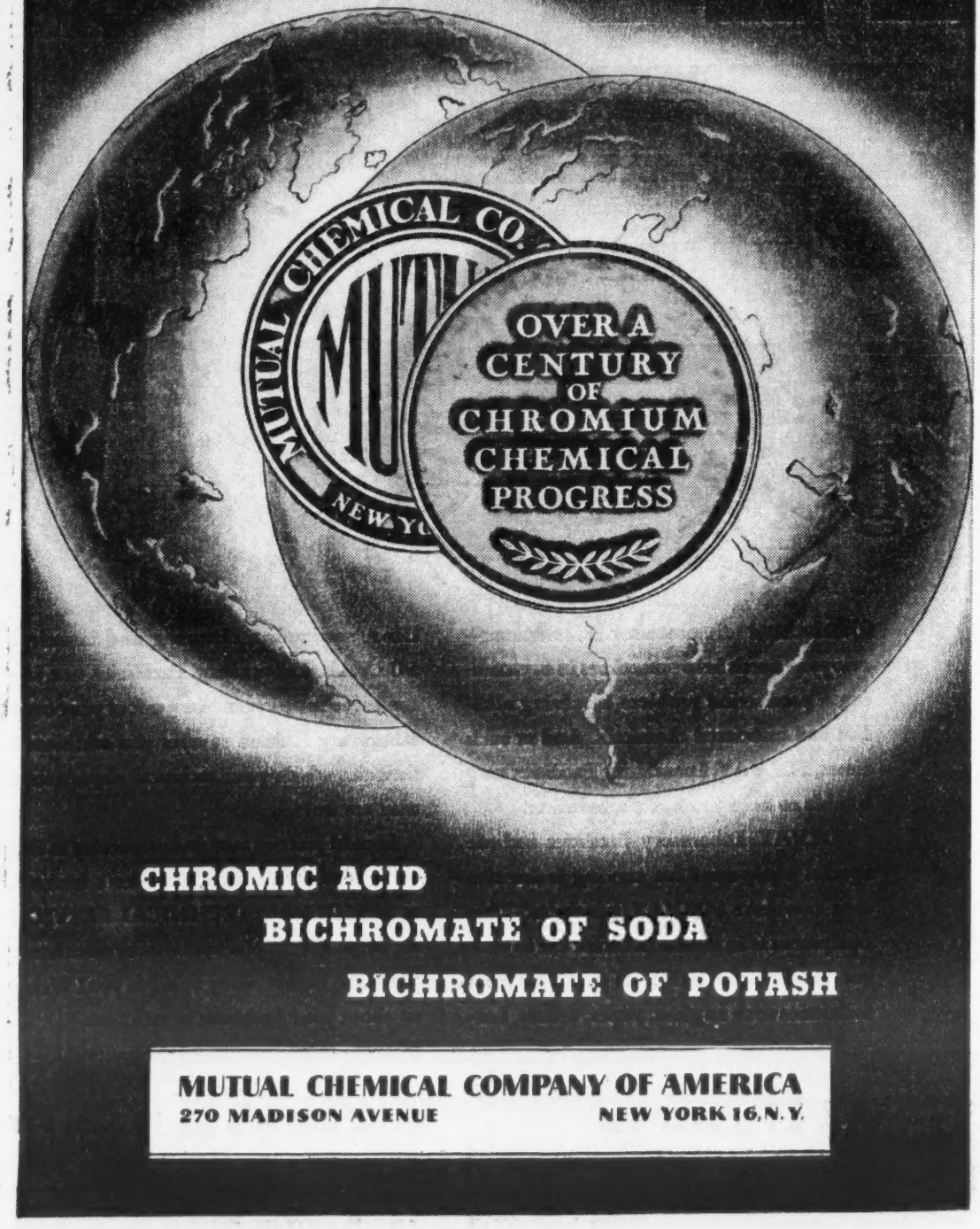
Sorbitol, com'l, dms., c.l., works..lb. .25½- —
l.c.l., works.....lb. .26 - —
crystalline, dms., works.....lb. .50 - —
solution, aqueous, dms., c.l., works.. lb. .185½- —
ton lots, works.....lb. .196 - —
Soybean protein, chemically isolated, 40,000 lbs., works..lb. .26½- —
20,000 lbs., works.....lb. .26¾- —
smaller lots, works.....lb. .27 - .30½
mechanically refined, bgs., 40,000 lbs., works..lb. .061 - —
20,000 lbs., works.....lb. .063 - —
smaller lots, works.....lb. .065 - —
Spikenard root, bls.....lb. .43 - .45
Spikenard root, bls.....lb. .45 - .46
Spruce extract, liq., reg., tanks, works. lb. .01¾- —
powd., super, bgs., c.l., works..lb. .05¼- —
Squaw vine, leaves, bls.....lb. .45 - .50
Squill, red, fortified, powd., bbls., boxs. lb. 1.60 - —
White, bls. .....lb. .08 - .10
powd., bbls., bxs.....lb. .14 - .18
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls.....lb. .12 Nom.
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 6.66 - —
Chicago .....100 lbs. 6.07 - —
l.c.l. .....100 lbs. 6.81 - —
powd., paper bgs., c.l.....100 lbs. 6.77 - —
Chicago .....100 lbs. 6.23 - —
l.c.l. .....100 lbs. 6.92 - —
Prices for corn starch in cotton bags, 17c. higher.

Starch, potato, dom., bgs., c.l.....lb. .07½- —
l.c.l. .....lb. .08¼- .08½
Rice, bgs., c.l.....lb. No stocks.
Sweetpotato, bgs., c.l.....lb. No stocks.
Wheat, bgs.....lb. .0670- .0720
Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .33 - .35
Stoneroot, bls.....lb. .07½- .08
Storax, USP, cs.....lb. 1.50 - 1.60
Stramonium leaves, bgs.....lb. .19 - .20
Seed, bgs.....lb. .20 - .21
Streptomycin, hospitals .....gram. 1.58 - 1.60
wholesalers .....gram. 1.26 - 1.28
Strontium bromide, NF, cns., dms. lb. .62 - —
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bgs., frt. equald.....lb. .43½- .44
Iodide, jars, 25 lbs.....lb. 3.20 - 3.26
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works.....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.25 - 1.33
Sulphate, air-floated, 90% 325 mesh, bbls., works..ton. 58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz. 30.00 - 50.00
Strophanthus seed, Kombe, bgs....lb. 2.50 Nom.
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrene, monomer, tanks, works....lb. .15 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10

Sucrose acto-acetate, denat., bbls., l.c.l., works..lb. .55 - —
tech., bbls., l.c.l., works.....lb. .50 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works.....lb. 4.00 - —
Sulphadiazin, USP, dms., works....lb. 9.00 - —
Sulphadiazin sodium, USP, dms., works..lb. 10.50 - —
Sulphaguanidin, USP, dms., works.lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works..lb. 9.00 - —
Sulphamerazin, sodium, USP, dms., works..lb. 10.50 - —
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, NF, powd., bots., tins, works..lb. 7.00 - 7.30
Sulphapyridin - sodium, powd., bots., dms., works..lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.15
Sulphathiazole - sodium, USP, dms., works..lb. 3.00 - 3.15
Sulphonethylmethane, NF, kgs.....lb. 6.75 - 6.85
Sulphonmethane, NF, kgs.....lb. 5.25 - 5.35
Sulphur, com'l, rubbermakers, bgs., c.l., works..100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract.... long ton. 18.00 - —
vessel, f.o.b. Gulf ports, export... long ton 22.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs....lb. .18 - .50
refined, flour, light refined, USP, bgs., c.l., works..100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works..100 lbs. 2.80 - —
l.c.l., works.....100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works.. 100 lbs. 3.25 - —
l.c.l., works.....100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works.....100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 3.10
roll, bgs., c.l., works.....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.70
Refined rubbermakers' bgs., c.l., bgs., works..100 lbs. 2.25 - —
l.c.l., bgs., works.....100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works..lb. .03¼- —
l.c.l., works.....lb. .04¼- —
10-gal. dms., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Dioxide, liquid, com'l, cyls., works. lb. .09 - —
multi-unit cars, works.....lb. .0935- —
tanks, works .....lb. .045 - .05¾
refrigeration, cyls., l.c.l., works. lb. .16 - —
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac bark, 28%, grd., bgs., ex dock. ton. 85.00 - —
Extract, No. 1, bbls.....lb. .10¼- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls. .....lb. .14½- —
Leaves 30%, bgs., ex dock.....ton. 88.00 - —
Superphosphate run-of-pile, under 22% a.p.a., pulv., bulk, Baltu. unit-ton. .70¼- .78
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.05 - 1.10

T

Talc, dom., ordinary, grd., bgs., c.l., New York works..ton. 21.00 - —
l.c.l., works.....ton. 22.50 - 24.50
Calif., bgs., c.l., works .....ton. 22.00 - 30.00
Vermont, bgs., c.l., works..ton. 11.00 - —
l.c.l., works ..... ton. 17.50 - —
fibrous, New York, off-color, ground. bgs., c.l., works.....ton. 24.00 - —
l.c.l. .....ton. 26.50 - 28.00
98.95-99.95%, grd., bgs., c.l., works..ton. 21.00 - —
l.c.l., works.....ton. 24.50 - —
98-99.5%, grd., bgs., c.l., works. ton. 23.00 - 28.00
l.c.l., works.....ton. 27.00 - 32.00
imp., Canada, grd., bgs., c.l.....ton. 35.00 - 45.00
Tallow, inedible, extra, loose.....lb. .13¾- —
fancy, loose .....lb. .13½- —
special, loose .....lb. .12 - —
sulphonated, 25%, dms.....lb. .08 - .08½
50%, dms. .....lb. .11 - .11½
Tamarinds, bbls. .....lb. .16 - .17
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 6.75 - —
Chicago .....unit-ton. 7.25 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk bulk, unit-ton. No stocks
Tansy leaves, bls .....lb. .15 - .16
Tapioca flour, high grade, bgs.....lb. .10 - .10½
medium grades, bgs. .....lb. .09 - .09½
Java, bgs. .....lb. No stocks.
Tar acid oil, 15-18%, ref. dms., c.l., works..gal. .53 - —
l.c.l., works .....gal. .56 - —
tanks, works .....gal. .47 - —
25-28%, dms., c.l., works.....gal. .66 - —
l.c.l., works .....gal. .69 - —
tanks, works .....gal. .60 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices
powd., bgs., c.l., same basis..long ton. 225.00 Nom.
Tarragon herb, bgs.....lb. .40 - .45
Leaves, bgs. .....lb. .85 - .90
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44½- .47
USP, powd., bbls., dms., kgs...lb. .49 - .52
Terpin hydrate, com'l, bbls., c.l....lb. .24½- —
l.c.l. .....lb. .25 - .25¾
USP, cryst., bbls., dms.....lb. .95 - .97
powd., bbls., dms.....lb. 1.00 - 1.02
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
prime, dms. .....lb. .43 - .97
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .65 - 1.10
prime, cns., dms.....lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachlorethane, dms., works.....lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25
tech. (see, Perchlorethylene).
Tetraethyl orthosilicate, dms., works. lb. .05 - —
Pyrophosphate, dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .90 - 1.25
Tetraethylenepentamine, dms., c.l., works..lb. .51½- —
l.c.l., works.....lb. .52 - —
tanks .....lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).



Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd..lb 15.00 -17.50
Theobromine, bots., kegs.....lb. 6.00 - 6.25
Theophylline, bots., kegs.....lb. 8.00 - 8.50
Thiamine hydrochloride, dms., 100 grams..kilo 160.00 - —
Thiocarbanilide, dms .....lb. .24 - —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, tech., dms., works.....lb. .40 - —
Thorium nitrate, cs., works.....lb. 3.50 - —
Thyme, French, bgs. .....lb. .22 - .25½
Jamres, bgs. .....lb. .16 - .17
Spanish, bls. .....lb. .09 - .09½
Thymol, USP, kgs.....lb 3.65 - 3.75
Inidia, NF, dms .....lb 3.55 - 4.25
Tindo root (see Cube root)
Tin chloride (stannic), anhyd., dms. .....lb. .97 - .98
Crystals, bgs., bbls., works.....lb. .71½ - —
Metal, Bolivian.....lb. 1.03 - —
Straits .....lb. 1.03 - —
Oxide, bbls. .....lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., works, ...lb. .60 - 62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd..lb. .17½ - .18
L.c.l., dlvd. .....lb. .18 - .19
plain, bgs., c.l., dlvd.....lb. .17½ - .18
L.c.l., dlvd .....lb. .18 - .19
rutile, natural, granular, bgs., c.l., works..lb. .06½ - —
L.c.l., works.....lb. .06½ - —
milled, bgs., c.l., works.....lb. .06½ - —
L.c.l., works.....lb. .06¾ - —
nonchalking, bgs., c.l., dlvd. E. .....lb. .19½ - —
L.c.l., dlvd E .....lb. .20 - .20½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd..lb. .07½ - —
L.c.l., dlvd.....lb. .08 - —
Calcium base, bgs., c.l., dlvd..lb. .06¾ - .07
L.c.l. dlvd. .....lb. .07¼ - .07½
Calcium-rutile base, bgs., c.l., dlvd. .....lb. .06¾ - —
L.c.l., dlvd.....lb. .07¼ - —
Magnesium base, bgs., c.l., dlvd.lb. No prices
L.c.l., dlvd.....lb. No prices

Titanium dioxide and pigment in bbls., ½c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ½c higher

Tetrachloride, CP, 55-gal. dms....lb. .54½ - .55
smaller, pkgs., works.....lb. .65 - 1.25
technical, 55-gal. dms., works..lb. .52 - —
smaller pkgs., works.....lb. .70 - 1.00
Tolu balsam, cns. .....lb. 3.25 - 3.50
Toluene (see Toluol).
Toluic base (see Orthotoluidin).
Toluol, coaltar, industrial and nitration, tanks, works—
Bethlehem, Pa. .....gal. .24½ - —
Birmingham, Ala. .....gal. .23½ - —
Chicago district .....gal. .23½ - —
Cleveland district .....gal. .26 - —
Dangerfield, Tex. .....gal. .27 - —
Johnstown, Pa. .....gal. .23 - —
Lackawanna, N. Y.....gal. .26 - —
Philadelphia, Pa. .....gal. .25 - —
Pittsburgh district .....gal. .23 - —
Sparrows Point, Md. .....gal. .24½ - —
St. Louis, Mo. .....gal. .28 - —
Syracuse, N. Y.....gal. .27 - —
Terre Haute, Ind. .....gal. .25 - —
Woodward, Ala. .....gal. .25 - —
Wyandotte, Mich. .....gal. .27 - —
Youngstown, Ohio .....gal. .23½ - .25
tanks, East, frt. equald.....gal. .28 - —

Prices on 2° toluol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3½c.); Chicago, 30c. (2½c.); Del.-Md.-D. C., 30c. (2½c.); Detroit, 30c. (1½c.); La., 30c. (3½c.); N. C. & E. Tenn., 60c.; W. Tenn., 30c. (3½c.), and W. Va., 30c. 30c. 3c.); N. E., 30c. (2½c.); N. J., 30c.; N. Y., 30c.; Pa., 30c. (2½c.); S. C., 30c. (6c.), Va., 30c. (2½c.)

Tonga, 50% bark and vine, bls.....lb. .85 - .95
Tonka beans, Angostura, cks.....lb. 1.75 - 1.80
Brazilian, cs.....lb. .85 - .90
Surinam, cs. .....lb. .85 - .90
Toxiquine, USP, 100-oz. lots.....oz. .52 - —
Triacetin, dms., works.....lb. .40½ - —
Tricresyl citrate, dms.....lb. .41 - .43
smaller containers .....lb. .46 - .52
Phosphate, dms., l.c.l., frt. alld., E. of Rockies..lb. .66 - —
smaller containers .....lb. .71 - —
Triethylamine, dms., c.l., works..lb. .78 - —
L.c.l., works .....lb. .81 - —
tanks, same basis.....lb. .07½ - .09¼
Trichlorobenzene, dms., c.l., works, frt. alld. or equald...lb. .08½ - .11
l.c.l., same basis.....lb. .09½ - .12
Trichloroethane, dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
tanks, works.....lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1..lb. .10 - .10½
Zone 2.....lb. .10 - .10½
Zone 3.....lb. .10½ - .11
Zone 4.....lb. .10½ - .11

Trichloroethylene dm., c.l. prices ½c. higher; l.c.l. 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kans. (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (5), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate coaltar, dms., c.l., frt. equald..lb. .37½ - .46½
l.c.l., dlvd. .....lb. .38 - .47
tanks, dlvd. .....lb. .36½ - .45
petroleum, dms., c.l., dlvd.....lb. .38½ - —
l.c.l., dlvd.....lb. .39 - —
tanks, dlvd.....lb. .37½ - —
Triethanolamine, dms., c.l., frt. alld. E..lb. .21½ - —
l.c.l., same basis.....lb. .22½ - —
smaller containers.....lb. .25½ - —
tanks, same basis.....lb. .20 - —
Triethyl citrate, dms.....lb. .34 - .36
smaller containers .....lb. .39 - .45
Phosphate, dms., works, c.l.....lb. .38 - —
dms., l.c.l., same basis.....lb. .39 - —
tanks, same basis.....lb. .37 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%.....lb. .36 - —
tanks, works, basis 100%.....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. E..lb. .20½ - —
l.c.l., same basis.....lb. .21½ - —
tanks, same basis.....lb. .19 - —
Triethylenetetramine, dms., c.l., works. .....lb. .51½ - —
l.c.l., works.....lb. .52 - —
tanks .....lb. .50 - —
Trimethylamine, anhydrous, cyl., works, 25%-40%, dms., c.l., works, basis 100%..lb .20½ - .30¼
l.c.l., works, basis, 100%....lb. .29 - —
tanks, works, basis 100%.....lb. .20½ - —
Triphenyl phosphate, bbls., c.l., frt. equald..lb. .25 - —
l.c.l., frt. alld. .....lb. .31 - —
Triphenylguanidine, bbls., works....lb. .32 - —

Tripoli, air-floated, bgs., c.l., works.lb. .0175- —
double-grd., bgs., c.l., works.....lb. .016 - —
single-grd., bgs., c.l., works.....lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic)
Tryptophane—d.l., fib. cns., works kilo. 240.00- 275.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms., works..lb. 4.75 - —
Oxide, kgs., works.....lb. 2.85 - —
Turmeric root, Alleppey, bls.....lb. .36 - .37
Madras, bgs. .....lb. .23½ - .24
Turpentine, gum (see Naval Stores, Protective Coatings market).
Sulphate, rct. dms., East.....gal. .65 - —
tanks, East .....gal. .40 - —
Wood, dest.-dist., dms. incl., c.l., works, South..gal. .40 - .53
l.c.l., same basis.....gal. .41 - .55
N. Y. whse.....gal. .55 - —
steam-dist., dms. incl., c.l., works, gal. .58 - —
l.c.l., ex whse, NYC.....gal. .63 - .75
tanks, works.....gal. .35 - .50

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb 2.55 - —
yellow, kgs .....lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., works, ...lb. .61½ - —
l.c.l., works.....lb. .64½ - —
fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east.....ton.89.00 - —
40 tons, frt. alld. Colo., Mont., Wyo., and west..ton.98.00 - —
Urea, dom., fertilizer compound, 42% N, paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dakota, Tex., and east..ton.93.00 - —
40 tons, frt. alld. Colo., Mont., Wyo. and west..ton.102.00 - —
Urea-ammonia liquor, A and B grades N basis, Belle, W. Va..ton.100.00 - —
C and D grades same basis..ton.98.50 - —
Uva ursi leaves, bls.....lb. .12 - .13

V

Valerian root, Belgian, NF, bls .lb. .33 - .37
Indian, bls.....lb. .30 - .32
Valonia beards, bgs., ex dock.....ton.80.00 -81.00
Cups, bgs., ex dock.....ton.37.00 - —
Extract, powd., bgs., ex dock, duty extra..lb. .11 - —
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.20 - —
Vanilla beans, Bourbon, tins.....lb. 7.25 - 7.50
Mexican, cuts, tins.....lb. 5.00 - 5.50
whole, tins .....lb. 6.50 - 7.00
Tahiti, tins .....lb. 3.25 - 3.50
Vanillin, ex eugenol, tins, 25 lbs....lb. 4.50 - —
smaller lots .....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs.....lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots.....lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works..lb. .16½ - .17½
5-gal cns., works.....lb. .30 - —
tanks, works.....lb. .15 - —
Trichloride (see Trichloroethane)
Vinylpyridin, rct. dms., works....lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill units .04 - —
1 billion USP units....mill units. .05 - —
100 million USP units..mill units. .07 - —
A concentrate, dms., works.... mill. units. .36 - .40
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B_4 (see Pyridoxin).
C (see Acid, ascorbic)
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D. (See Calciferol)
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin)
Violet, methyl, toner (see M)
V M P naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls.....lb. 2.60 - 2.25
Tree bark, bls.....lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.83.00 -85.00
merchantable, bgs., ex dock..ton.80.00 -81.00
extract, liquid, 35% tannin, bbls., works..lb. .08½ - —
tanks, works.....lo. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra..lb. .09¾ - —
S. Afr., 62% tannin, ex dock, duty extra..lb. .09½ - —

Petrolite

Crown Quality

MICRO-CRYSTALLINE WAXES

HIGH QUALITY WAXES WITH SUPERIOR SPECIFICATIONS AND A TREMENDOUS PRICE ADVANTAGE

MICRO-CRYSTALLINE WAXES

Crown Wax	Melting Point °F.	Pen. with 100 Grams	Color N.P.A.
500	185/190	10 Maximum	2½ Maximum
1035	195/200	2 Maximum	2 to 2½

EMULSIFIABLE WAXES

Crown Wax	Melting Point °F.	Pen. with 100 Grams	Color N.P.A.	Acid Number	Sap. Number
23	180/185	6 Maximum	4½ to 6	20 to 25	55 to 65
36	180/185	8 Maximum	5½ to 8	30 to 35	85 to 95

Complete information, prices and samples available on request.

HIGH MELTING POINT
EXTREME HARDNESS
HIGH GLOSS
LOW OIL CONTENT
CHEMICALLY INERT
HIGH SOLVENT RETENTION
GOOD COMPATIBILITY
ECONOMY

PETROLITE Crown Quality WAX
PETROLITE CORPORATION, LTD. WAX DIVISION
30 Broad St., New York 4
REFINERY: Box 390, Kilgore, Texas

Wax, Amorphous—Zinc Oxide

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs. lb. .52 - .55
Bees, bleached, USP, white, bricks, cs. lb. .70 - .73
slabs, bgs. lb. .69 - .71
crude, African, bgs. lb. .55 - .57
Western hemisphere, bgs. lb. .55 - .57
refined, yellow, bricks, cs. lb. .61 - .63
slabs, bgs. lb. .60 - .62
Candelilla, crude, bgs. lb. .64 - .65
refined, bgs. lb. .67 - .68
Powdered candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots. lb. .81 - .83
North Country, No. 2, ton lots. lb. .89 Nom.
No. 3, bgs., ton lots. lb. .85 - .87
refined, bgs., ton lots. lb. .90 - .91
yellow, No. 1, bgs., ton lots. lb. 1.19 - 1.22
No. 2 lb. 1.17 - 1.21
Powdered carnauba price differentials same as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs. lb. .16 - .16½
138°-140° m.p., bgs. lb. .18 - .18½
158°-162° m.p., bgs. lb. .22 - .23
Japan, bgs. lb. .66 - .67
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 30 tons yearly contract, group 3 works. lb. .14½ - —
smaller lots, same basis. lb. .15 - .16
Wax, microcrystalline, 170°-175° m.p., ASTM, black, ctns., 30 tons, same basis. lb. .13½ - —
smaller lots, same basis. lb. .13½ - .14½
white, ctns., 30 tons same basis. lb. .25½ - —
smaller lots, same basis. lb. 26 - 27
190°-195° m.p., ASTM, amber, ctns., 30 tons, same basis. lb. .21½ - —
smaller lots, same basis. lb. .21½ - 22½
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis. lb. .19½ - —
smaller ctns., same basis. lb. .20 - 21
white, ctns., 30 tons, same basis. lb. .31½ - —
smaller lots, same basis. lb. .34½ - 35½
Montan, crude, bgs. lb. .45 - .47
Ouricury, crude, bgs., ton lots. lb. .76 - .77
refined, bgs., ton lots. lb. .82 - .84
Ozokerite, fabricated, black, 180-190 m.p., bgs. lb. .36 - .38
182-183 m.p., bgs. lb. .31 - .33
171-172 m.p., bgs. lb. .27 - .29
white, 178-183 m.p., bgs. lb. .33½ - .34½
170-172 m.p., bgs. lb. .28½ - .29¼
yellow, 180-190 m.p., bgs. lb. .48 - .50
182-183 m.p., bgs. lb. .43 - .45
178-183 m.p., bgs. lb. .26½ - .27½
170-172 m.p., bgs. lb. .23¼ - .25
Spermaceti, blocks, cs. lb. 41 - 42
cake, cs. lb. 42 - 43
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. lb. 2.00 - —
White pine bark, rossed, bls. lb. .16 - .20
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, St. Louis, works ton. 10.00 - —
40 tons, N. Y. whse. ton. 18.00 - —
smaller lots, St. Louis, works. ton. 12.50 - —
wet-grd., air-floated, 99% 325 mesh, bgs., c.l. ton. 14.50 -27.50
200 mesh, bgs., c.l. ton. No prices
90% 200 mesh, bgs., c.l. ton. No prices
water-floated, extra gilders, bgs., c.l. ton. 14.50 - —
gilders, bgs., c.l. ton. No prices
putty grade, bgs., c.l. ton. 13.00 - —
surface treated, bgs, c.l. Ohio works. ton. 30.00 - —
Paris white, bgs., c.l. ton. 25.00 -31.00
l.c.l. ton. 25.00 -29.00
Precipitated, bgs., c.l. ton. 18.00 -20.00
l.c.l. ton. 22.00 -25.00
Wild cherry bark, thick, bls. lb. .06 - .07
thin, natural, bgs. lb. .17 - .18
rossed, green, bls. lb. .24 - .26
Wild indigo root, bls. lb. .30 - .31
Witch hazel leaves, bls. lb. .14 - .15
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., works, East. ton. 32.00 - —
l.c.l., same basis. ton. 40.00 - —
60 mesh, bulk, c.l., same basis. ton. 37.00 - —
l.c.l., same basis. ton. 45.00 - —
80-100 mesh, bulk, c.l., same basis. ton. 40.00 -45.00
l.c.l., same basis. ton. 50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .15 - .16
Levant, bgs. lb. 4.15 - 4.25
Wormwood, bls. lb. .40 - .45

X

Xanthorrhiza root, bls. lb. .28 - .30
Xylene (see Xylol).
Xylool, 5°-7°, ret. dms., c.l., works, frt. equald. lb. .21½ - —
l.c.l., same basis. lb. .22½ - —
tanks, same basis. lb. .21 - —
4°-6° dms., l.c.l., frt. equald. lb. .24 - —
fractions, ret. dms., c.l., same basis. gal. 1.60 - —
l.c.l., same basis. gal. 1.65 - —
tanks, same basis. gal. 1.50 - —
Xylidins, mixed, dms. lb. .42½ - —
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa. gal. .26 - —
Birmingham, Ala. gal. .22½ - —
Chicago district gal. .26½ - —
Cleveland district gal. .26 - —
Pennsylvania, Tex. gal. .27 - —
Johnstown, Pa. gal. .24 - —
Lackawanna, N. Y. gal. .24 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md. gal. .26 - —
St. Louis, Mo. gal. .26 - —
Syracuse, N. Y. gal. .28 - —
Terre Haute, Ind. gal. .27 - —
Woodward, Ala. gal. .27 - —
Wyandotte, Mich. gal. .27 - —
Youngstown, Ohio gal. .24 - —
½ oaks, East, frt. equald. gal. .28 - —

Prices on 3 to 10 degree xylol from petroleum, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3½c.); Chicago, 30c. (2½c.); Del.-Md.-D. C., 30c. (2½c.); Detroit, 30c. (1 8/10c.); La., 30c. (3½c.); N. C. & E. Tenn., 30c. (5c.); N. E., 30c. (2½c.); N. J., 30c.; N. Y., 30c. (2½c.); S. C., 30c. (6c.); Va., 30c. (3½c.); W. Tenn., 30c. (3½c.), and W. Va., 30c. (2½c.).

Y

Yara yara, cryst., bots., cns. lb. 2.10 - —
Yeast, brewer's dry, 50 B units, per gram, dms. lb. .35 - —
90 B units, per gram, dms. lb. .45 - —
200 B units, per gram, dms. lb. .50 - —
300 B units, per gram, dms. lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul. lb. .22 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Baryolith, bbls., dlvd. lb. 1.00 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies. lb. 2.40 - —
Lithopone, all shades, obls., frt. alld. E. of Rockies lb. .07 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse 1c per lb higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. lb. .20½ - —
Dlvd Ala., Fla., Ga., La., (St. Louis, 1½c. higher; Miss., N. C., S. C., Tex., Dallas, Tex., 1½c. higher, Ft. Worth, Tex. 1½c higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago
Hansa, bbls., same basis as chrome. lb. 1.60 - 1.70
Primrose, bbls., same basis. lb. 1.30 - 2.20
Iron oxide, natural, bgs., c.l., works, lb. .04½ - .05
l.c.l., works. lb. .04½ - .05
French type, bgs., c.l. lb. .04½ - —
l.c.l. lb. .05½ - —
Peruvian type, bgs., c.l. lb. .04½ - .05
synth., bgs., c.l., works. lb. .03 - —
l.c.l. works. lb. .03½ - —
Mercury oxide, bbls., 1,000 lbs. lb. 1.52 - —
smaller lots. lb. 1.55 - —
Ocher, American, golden, bgs., works, lb. .01½ - .04
Zinc, bbls., same basis as chrome. lb. .21 - —
Yellow dock root, bls. lb. .25 - .27
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, lbs. lb. .55 - .58
Yohimbine hydrochloride vls. oz. 2.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works. lb. .25 - —
smaller lots works. lb. .30 - —
Zinc acetate, tech., bbls., dms. lb. .20½ - .25
NF, dms. lb. .39 - .46
Arsenite, bgs., c.l., frt. alld. E. of Rockies. lb. No sales
l.c.l., same basis lb. No sales
Borate, bgs., c.l., ship't pt., frt. alld. E. lb. .15½ - .16
frt. alld. Pac. Coast. lb. .16½ - .18
l.c.l., ship't pt., frt. alld. E. lb. .14 - .15½
frt. alld. Pac. Coast. lb. .18½ - .20
Carbonate, tech., rubber makers', bbls., works. lb. 10½ - .11
USP, precip., powd., bbls. lb. .35 - —
dms. lb. .40 - —
kgs. lb. .37 - —
Chloride, tech., fused, dms., c.l., works. 100 lbs. 6.25 - —
l.c.l., works. 100 lbs. 7.15 - —
gran., bbls., c.l., works. 100 lbs. 7.50 - —
l.c.l., works. 100 lbs. 7.90 - —
solution, 50%, dms., c.l., works. lb. .028 - —
l.c.l., works. lb. .047 - —
tanks, works lb. .0225 - —
USP, gran., dms. lb. .30 - .35
kegs lb. .35 - .38
Chromate (see Yellow, zinc).
Cyanide, kgs., works. lb. .37 - —
Diethyldithiocarbamate, dms., works lb. 1.15 - —
Dust, bbls., c.l., dlvd. lb. .17½ - .18½
l.c.l., ship't point, frt. alld. lb. .17½ - .19
Fluoride, bbls., works. lb. .35 - —
Hydrosulphite, dms., works. lb. .16 - —
Iodide, NF, jars. lb. 4.45 - —
Laurate, bbls. lb. .47 - .49
Linoleate, solid, 9½%, bbls. lb. .51½ - —
Metal slabs, E. St. Louis lb. .15 - —
Naphthenate, liquid, 8% Zn., dms., works. lb. .25½ - .28
.42½ - —
Oxide, bbls. lb. .11 - —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld. lb. .11½ - —
l.c.l., works. lb. .13½ - —
American process, com't lead-free, bgs., c.l., ship't point, frt. alld. lb. .11 - —
l.c.l., works. lb. .11½ - —
75% bgs., c.l., ship't point, frt. alld. lb. .11 - —
l.c.l., works. lb. .11½ - —
35% bgs., c.l., ship't point, frt. alld. lb. .12½ - —
l.c.l., works. lb. .12½ - —
20% bgs., c.l., ship't point, frt. alld. lb. .13½ - —
l.c.l., works. lb. .13½ - —

PAGE 2 IN YOUR PLASKON COATING RESIN PRODUCT DIRECTORY

PLASKON 3371

UREA-FORMALDEHYDE RESIN SOLUTION

– especially well suited for use in automotive undercoats and finishes

● Plaskon 3371 is a solution of a urea formaldehyde resin in a solvent mixture containing two parts of butanol to three of Amsco C. It is very similar to Plaskon 3300 but differs from it principally in containing the least quantity of butanol that is practical. As a result of its relatively low butanol content it converts faster at lower temperatures than Plaskon 3300 and has somewhat lower compatibilities. The lower butanol content also accounts for the higher viscosity of this solution.

TYPICAL CHARACTERISTICS

Solids (%)	50±1	Pounds Per Gallon	8.33
Butanol (%)	20	Compatibilities (By Vol.)	
Amsco (%)	30	Xylol	Complete
Viscosity (G.H.)	Y-Z_1	Pet. Nap. (K.B.70)	8-12:1
Color	Water White	Min. Sp. (K.B.35)	0.9-1.3:1
Acid Number (Solids)	8-10		

Experienced Plaskon representatives will be glad to discuss further details of Plaskon 3371 and the complete line of Plaskon* Coating Resins with you.

*Reg. U. S. Pat. Off.

PLASKON
TRADE MARK REGISTERED
COATING RESINS

PLASKON DIVISION
LIBBEY • OWENS • FORD GLASS CO.
2143 Sylvan Avenue • Toledo 6, Ohio
In Canada: Drew, Brown Ltd., Toronto, Ontario; Montreal, Quebec.

Zinc oxide, pigment, dom., French process, com'l. lead-free, bgs., c.l., ship't point, frt. alld.	.18½	—
l.c.l., works	.19½	—
green, seal, bgs., c.l., ship't point, frt. alld.	.12½	—
l.c.l., works	.13	.14
red seal, bgs., c.l., ship't point, frt. alld.	.12¼	—
l.c.l., works	.12½	—
white seal, bgs., c.l., ship't point, frt. alld.	.13¼	—
l.c.l., works	.13½	—
USP, cns., c.l., ship't point, frt. alld.	.14½	—
l.c.l., same basis	.14½	—
Zinc oxide Pac. coast prices ¼c. higher; bbls., prices ¼c. higher than bgs.		
Resinate, fused, 9% Zn, powd., solution, 50% dms., c.l., works.	.0365	—
Silicofluoride, bbls., works	.11	—
Stearate, cns., 2,000 lbs.	.45	—
smaller lots	.46	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld. 100 lbs.	4.65	—
l.c.l., same basis 100 lbs.	5.05	—
Flake, 25½% Zn., bgs., c.l., delvd., powd., 36% Zn., bgs., c.l., delvd., same basis 100 lbs.	7.60	—
l.c.l., same basis 100 lbs.	8.00	—
Zinc sulphate in bbls., 40c. higher		
Sulphide, pure, bgs., c.l., divd. lb.	.11½	—
l.c.l., works lb.	.11¾	—
Barium pigment, bgs., c.l., divd. lb.	.08	—
l.c.l., works lb.	.08¼	—
Calcium pigment, bgs., c.l., divd. lb.	.08	—
l.c.l., works lb.	.08¼	—
Luminescent pigment, frt. alld. lb.	1.00	3.00
Magnesium pigment, bgs., c.l., divd. lb.	.08	—
l.c.l., divd. lb.	.08¼	—
Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.		
Sulphocarbolate, NF, gran., bbls., dms. lb.	.28	.32
powd., bbls. lb.	.31	.37
Yellow (see Yellow, zinc).		
Zinc-cadmium sulphide, fluorescent, cns., frt. alld. lb.	2.00	2.80
Zinc-calcium resinate, dms., c.l., works. lb.	.1180	.1360
l.c.l., same basis lb.	.1220	.14
Zinc-formaldehyde sulphoxalate, basic, dms., works, frt. alld. lb.	.37	—
normal, dms., works, frt. alld. lb.	.35	—
Zinc-iron oxide pigment, bgs., c.l. divd. lb.	.08½	—
Pac. coast lb.	.09¼	—
l.c.l., divd. E. of Rockies lb.	.09	—
Pac. coast lb.	.09¾	—
Zircon (see zirconium silicate).		
Zirconium acetate, solution, bbls., works lb.	.25½	—
basic carbonate, solution, bbls., works lb.	.30½	—
Hydride, cns., works lb.	7.00	—
Oxide, 85%, 92%, grd., bbls. or bgs., any quantity, works lb.	.23	—
98½-99%, white, grd., bbls. or bgs., works lb.	1.50	—
lump, electric-fused, bgs., c.l., works lb.	.44	—
5 tons, works lb.	.44½	—
1 ton or less, works lb.	.45	.48
milled, electric-fused, bgs., c.l., works lb.	.59	—
5 tons, works lb.	.59½	—
1 ton or less, works lb.	.60	.61
Oxychloride, cryst., cns., 5 tons, works lb.	.20½	—
Silicate, granular, bgs., c.l., works lb.	.03½	—
5 tons, works lb.	.04	—
1 ton or less, works lb.	.04½	.04¾
milled, bgs., c.l., works lb.	.04½	—
5 tons, works lb.	.05¼	—
1 ton or less works lb.	.05½	.06¾
refined, bgs., c.l., works lb.	.11	—
5 tons, works lb.	.11½	—
1 ton or less, works lb.	.12	.16
Sulphate, basic, cake, cns., c.l., works lb.	.37½	—
5 tons, works lb.	.38	—
1 ton or less, works lb.	.38½	.39

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the August 2 issue of OPD.

Petroleum Allocation Plan District Committees Named

Approval of committees to administer the oil industry's voluntary allocation plan was announced last Monday by Robert Friedman, acting director of the oil and gas division of Department of the Interior.

Nominations to the committees for Districts I and II were submitted to the oil and gas division by the National Petroleum Council under the provisions of the industry voluntary plan for the allocation of petroleum products. The plan was approved by Secretary of the Interior J. A. Krug and Attorney General Tom C. Clark.

Work of the committees will follow the pattern established by the temporary allocations plan which effectively reduced the impact of last winter's petroleum shortages. The district committees were responsible for the coordination of the work of subcommittees working in close contact with consumers.

B. I. Graves, of Tide Water Associated Oil Company, is chairman of the committee for District I, covering Maine, New Hampshire, Vermont, Connecticut, Rhode Island, New York, New Jersey, Delaware, Maryland, District of Columbia, Virginia, Pennsylvania, West Virginia, North and South Carolina, Georgia and Florida.

B. L. Majewski, Deep Rock Oil Corporation, Chicago, is chairman of the committee for District II, covering Ohio, Kentucky, Tennessee, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, Oklahoma, Kansas, Nebraska and North and South Dakota.

Du Pont Names New Synthetic Textile Fiber

E. I. du Pont de Nemours Company has adopted the trademark "Orlon" for a synthetic textile fiber on which it has been conducting research for several years, and which has previously been known only as "Fiber A." Technically, the material is called a polyacrylonitrile fiber. Quantities required for the development work are being made in a laboratory-scale pilot plant.

"Orlon" acrylic fiber offers some properties which the company said are outstanding contributions to the textile industry. Its resistance to degradation by sunlight commends it for use in awnings, automobile tops, and other outdoor uses. Its resistance to chemical attack, particularly by acids, and its ability to withstand elevated temperatures fit it for use in filtration applications and chemical-resistant cordage and threads.

Manton Gaulin Adds Rees And Bresette to Staff

Manton Gaulin Manufacturing Company, supplier of chemical equipment, Everett, Mass., has appointed Lancelot H. Rees and George E. Bresette to its executive research staff. Mr. Rees assumes the post of technical director of the company's laboratory and Mr. Bresette becomes director of industrial development.

NAIDM Names Heads Of Two Committees

Dr. George F. Reddish, Lambert Pharmacal Company, St. Louis, has resigned as general chairman of the disinfectant scientific committee of the National Association of Insecticide and Disinfectant Manufacturers, but will continue as a member of the committee. He has been succeeded by Dr. Carl A. Lawrence, Winthrop Chemical Company, Rensselaer, N. Y.

The association also announces that Frank J. Pollnow, Jr. of Vestal Inc., St. Louis has been named chairman of the exhibit committee. The NAIDM exhibit will be shown at four meetings this year: —American Hospital Association, Atlantic City, N. J., September 20 to 23; National Safety Council, Chicago, October 18 to 22; National Government Purchasing Agents, Philadelphia, October 18 to 20, and American Public Health Association, Boston, November 8 to 12.

Oronite Assigns Welton To New Midwest Post

Oronite Chemical Company, Standard Oil Company of California subsidiary, has announced the appointment of T. M. Welton as central district manager of its product development department, with headquarters in the Fairbanks Morse building, Chicago. Mr. Welton joined Oronite's market research department in San Francisco in April, 1947.

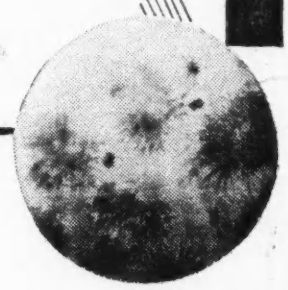
Trade Briefs

Bethlehem - Sparrows Point Shipyard, Baltimore, has signed contracts to build eighteen large oil tankers, bringing to twenty-two the number of tankers the Bethlehem Steel subsidiary has contracted to construct.

California Standard Oil Company has announced the successful conclusion of exhaustive field tests of a new product, "RPM DELO Supercharged Lubricating Oil" for diesel engines, which will be made available to diesel operators throughout the company's marketing area, and on the East Coast by The California Oil Company.

XX-505
ZINC OXIDE*
improves industrial finishes through Zinc Soap Control

*U. S. Patent 2,251,869



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Volume 154 August 30, 1948 Number 9

Help Rout the Rat

The urban rat-control campaign is getting well underway. It is expected to reach the heavy-drive stage in the big cities shortly after the schools reopen next month. That is because it is planned in many places to enlist schoolchildren in the ranks of rodent-routers, to instruct them by means of pamphlets in combat methods. It is there that the manufacturers of rodenticides must apply their expert knowledge.

Rodenticides have always been a hazard when used in households. Most often the danger derived from wrong methods of baiting — poisoned morsels were made as attractive and as available to children as to rats. Skull and crossbones labels never were a sufficient safeguard against the errors of ignorance and carelessness—of course, nothing could be. Coloring the poison helps some, more with respect to mistaken identity than to unguarded use. The form in which the poison is exhibited is one of the factors of safety. But, there still must be adequate caution in the placing of the bait. That is what manufacturers of rodenticides must emphasize in their contributions to the instructive pamphlets of the current campaign.

The newer rodenticides have had a good promotive press, but they have not been adequately presented in respect of their hazardousness. Protective publicity is at least as necessary as promotive insofar as some of the new poisons are concerned, and much more desirable from every point of view. Of course, there are some rodenticides which are not suitable for popular or inexperienced use in any places, particularly not in households. It is not likely that these will get into the armamentarium of the popular rodenticidal campaign. But, their manufacturers must make certain in that respect.

With full regard for the competence of trained exterminators, nobody can do more than the manufacturers of rodenticides to assure the effectiveness of the rat-control campaigns — rural and urban. That they should heartily take up the task needs no argument.

Fancy Finance in Flaxseed

Planned economy of the sort represented by the popular concept of the term—the sort that is governmentally planned under a syndicalistic philosophy — has been giving a good exhibition of its inadequacy and undesirability in the matter of flaxseed.

Because raisers of livestock do not like the prices at which they might be able to dispose of their cattle, they have cut down on the supplementary feeding which makes fat that brings them as much pay as they get for edible lean meat. They are allowing their stock to graze or to eat homegrown stuff, figuring that, perhaps, packers will pay more by the time it is necessary to inaugurate Winter feeding schedules. So, they, are not buying feedstuffs—including linseed meal.

The prices of feedstuffs—including linseed meal — have been reduced by the slackening of feeder buying support and the lack of governmental support buying. Flaxseed does have government support, at a rather high price, even for these days. But, the syndicalistic favoritism in the flaxseed area is quite narrow. The director of fats and oils in the Department of Agriculture is quoted as saying that the primary responsibility of the Commodity Credit Corporation is to the producers of flaxseed, not to the processor thereof. So, when the processors, because they could not make ends meet when paying the support price for flaxseed, asked for a modification of the contract under which they do get governmental support for the price of linseed oil, they were turned down. They then refused to buy any flaxseed, and they are sticking to that refusal.

Meanwhile the government is buying the flaxseed at its support price. Every payer of a Federal tax is helping it make good on its sacrosanct responsibility to the grower of flaxseed. It makes no difference whether he does not use even a teaspoonful of linseed oil, an ounce of linseed meal as a poultice, or two flaxseeds to get something out of his eye—he still has to pony up some of the cost of the paternalistic government's syndicalistic beneficence toward, maybe, two-one-hundredths of one percent of its people.

What the government will do with the flaxseed which it is o b l i g a t e d to buy is another question in that sort of planned economy. One thing is certain: whatever it does with the stuff, the deal is going to cost the taxpayers some money. Not so much as the potato deal, of course; not so much, perhaps, as some other deals: but much too much to be compatible with the principles of democracy, free enterprise, and fair competition.

Trading with Russia

Termination of consular relations between the United States and Russia may have some effect on trade between the two countries, even if it is only to the extent of the informative services that consular offices perform. Insofar as the Russian consulates in this country were concerned, those services were not of much importance or use, Russian foreign trade, at least with the United States, being rather closely monopolized.

Trade between the United States and Russia for a time has been almost wholly onesided. Exports to Russia have been so far curtailed by governmental control orders that their volume and value are negligible. Imports from Russia have continued relatively large, running at an annual rate of more than $90,000,000, about 25 percent being ores and other minerals. The continuance of the lopsided relationship of course has been to the advantage of Russia. Particularly has it given that country dollars with which to buy in any country the machinery and materials required in its scheme of industrial expansion.

Apparently the United States government attaches little significance and still less importance to the severance of consular relations with Russia. So, it is not likely that there will be any further applications of controls on trade in either direction. What may be done at the other end with reference to so-called "critical" goods nobody can guess. It is to be assumed, however, that furs, the big item of exports to this country, will continue to be sent as long as somebody will pay good dollars for them. The profit motive is no respecter of political ideologies.

Washington Talks It Over

—*Continued from page 5*

with great pleasure because then it would be possible to keep track of just what was moving out of the country with ECA funds on a current basis. But, like so many other meritorious schemes hatched out in Washington, this one had but a short life. It must have set some kind of record for brevity because it lasted exactly two days. The field offices are still getting the daily reports on procurement authorizations, but they do not contain the details industry wants. They simply say that so much has been allotted to such-and-such a country for "chemicals," or "inedible fats and oils," or some other all-embracing classification.

It isn't understood that the plan to make the information public has been dropped entirely, just that all the bugs in the mechanics of the program hadn't been foreseen and ironed out beforehand. Officials say they hope to get it started again, but this time on a more permanent basis.

School Facilities Inadequate

The Federal Security Agency warns that the nation is faced with the worst school and college building crisis in its history, due to a combination of factors related for the most part to the war. There seems to be a shortage of everything except pupils.

The first wave of warbabies enrolled in school in the Fall of 1947, and it is estimated that the entering classes will continue to increase for several years. It is expected that 3,000,000 new children will enter school in 1949, and that the 1953 entering class will reach a figure of 3,700,000. With increased interest in kindergarten education and postwar emphasis on continuation and terminal educational programs for youth, it may be expected that the 1954-55 enrollment in public elementary and secondary schools will extend the 1947-48 enrollment by 6,200,000.

What provision is being made to take care of this increase? The aswer is that very little is being done. Relatively few new school and college plants have been erected since 1940, and regular maintenance programs have been neglected, due to manpower and material shortages. The agency estimates the costs of needed new buildings, remodeling, equipment, and sites at $11,000,000,000.

Chloromycetin Cures Typhoid

The army believes that, in its search for a potent remedy for typhus and scrub typhus, it has come across a virtual cure for typhoid fever. The drug is chloromycetin, the new antibiotic derived from a Venezuelan earth mold, with which the army has been experimenting against typhus in Malaya.

The discovery of chloromycetin as an effective treatment for typhoid was by accident. In testing the drug against scrub typhus, the army doctors adopted the policy of starting treatment on everybody whose symptoms resembled those of scrub typhus even before the disease progressed far enough to make an accurate diagnosis possible.

Out of thirty-five patients originally treated, two, it later developed, were suffering from an entirely different disease—typhoid. On these the effects of the new drug were unanticipated and dramatic. The finding was so significant that it was tested again on eight other proven cases of typhoid, and the results were the same as in the first two cases—recovery well underway within two or three days.

Significance of the discovery to American medicine is highlighted by the fact that there were about 4,000 typhoid cases in this country last year. Ordinarily typhoid fever lasts about a month in this country and six or seven weeks in Malaya —if the victim does not die.

FDA Is Reorganized

The reorganization of the Federal Food and Drug Administration, which has been under way for the past several months, is just about complete. The last of the three new top officials with headquarters in Washington is expected to be at his desk about mid-September.

The reorganization has for its purpose a streamlining of functions and the providing of closer coordination between Washington and the field. The three district office headquarters, in New York, Chicago, and San Francisco, have been abolished, and the three chiefs called to Washington to take over new duties.

John Harvey, chief of the new office of litigation and former chief of the Western district, and James O. Clarke, chief of the new office of field planning, former chief of the Central district, have already taken over their new duties in Washington. Allan E. Rayfield, former chief inspector of the Eastern district, and named chief of the new office of field operations, will take over his office in a few weeks.

Heads of the sixteen FDA field stations will come to Washington in October for their annual conference on planning for the ensuing year. Problems of the field stations and how they are to be handled in the reorganized supervisory setup will be an important topic of the conference.

Basing-Point Ban Criticized

The effect of the supreme court's decision in the cement case, outlawing the basing-point system of pricing, is showing up in the heavy mail reaching the newly formed senate committee on trade policies, headed by Senator Homer E. Capehart, of Indiana. These letters, the majority of which are concerned with industries other than cement, come from every section of the country.

Most of the communications received thus far are critical of the decision. Only one letter in favor of the decision reached the committee, and two requests to testify in favor of the ruling have been received. All other letters and requests to testify express the opposite view. No doubt this is natural, since somebody who feels injured by a Federal ruling is more likely to write than is a person who feels benefited.

The mail is heaviest from small industries, and one fear running through the letters is that many areas will run short of supplies. Increased costs in home construction are predicted in many letters.

Meat Will Stay Scarce

It looks to Secretary of Agriculture Brannan as if we will have to get along without substantial relief from the shortage of beef for about a year—that is, until the Fall of 1949. That's about as soon as we can start eating this year's big corn crop in the form of meat.

In fact, the secretary says, it looks now as if we will have about 5 pounds apiece less meat next year, compared with this year, even after allowing for heavier feeding from the new corn crop. If income stays up, demand will stay up, and prices could further increase. By a year from this fall, we should begin to see daylight.

The big question is:—How much farther will inflation go in the meantime? And what will be the result? Mr. Brannan doesn't know, but he doesn't believe we have seen the peak prices yet. In June and July alone, he says, inflation in meat prices cost the people of this country at least $200,000,000.

We can well believe this statement, but it needs more explaining. It would be interesting to know how he arrived at the figure—what is the breaking point between normal prices and inflated prices. To people of low incomes $200,000,000 of inflated prices is probably a very low estimate.

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Heavy Chemicals

Another advance in the chemical index number to 222.6 was registered last week. This compared with 221.9 in the preceding week, 217.3 a month ago and 199.9 for the corresponding week in 1947. Copper sulphate crystals were established at a higher selling level last week and advances were recorded in aluminum sulphate commercial grade, ammonium oxalate and potassium oxalate. The rubber makers' grade of zinc carbonate is slated for an advance on September 1. There was no change in the price of zinc sulphate although the trade is expecting one in the near future. The advances were all attributed to higher producing costs occasioned by increased prices for crude materials, labor and transportation.

Buying interest was not unusually active last week and there were instances of deferring shipments until the vacation period is completed. Soda ash shipments continued about flush with contract schedules. There was the same easement in liquid caustic soda stocks previously mentioned while solid and flaked material remained in relatively tight supply. Chlorine stocks appeared freer at out of town points than in the local area. There was no easement in sight for calcium chloride and no open market was expected during this or the first half of next year. Nickel sulphate production remained about even with demand although some producers were a little short of contract schedules. The chlorates were firm and short for prompt shipment. The supply of oxalic acid has not shown any definite improvement since the first of the year and none is in sight. A glacial acetic acid plant has remained on strike but is now operating pending a settlement although no shipments have been made from the plant for over three weeks.

Paper production based on a percentage of six-day capacity was 97.3 percent for the week ending August 21, according to the American Pulp and Paper Association. This compared with 96.1 in the preceding week and 103.7 for the corresponding week in 1947.

Production figures appearing below unless otherwise designated are from the Bureau of the Census and the Chemical Division Department of Commerce.

Acetic Anhydride—Production reached the lowest level in June for any of the first six months. The total was 57,099,825 pounds, compared with 63,937,016 pounds in May. The high was reached in March at 64,849,357 pounds.

Aluminum Sulphate—Commercial has been priced higher at $1.50 per 100 pounds in bags for carlot shipments from works. Smaller quantities are held at $1.90. The iron-free grade price was not changed.

Ammoniac, Sal—White grandular has found a steady outlet to the dry-battery and leather industries and also for water processing. Production is running about flush with demand without leaving any excess stocks. The carlot price for bags is $4.75 per 100 pounds, smaller quantities are held at $5.45. Barrels in carlots are priced at $5 per 100 pounds and at $5.70 for less. All prices are f.o.b. the works.

Ammonium Oxalate—Advanced 2c. per pound, making the market 25c. for fine granular 25c. per pound for barrels and 27c. per pound for 100 pound drums. Increased producing costs were responsible for the advance in prices.

Arsenic—Demand has lost its urgency for white powdered arsenic and the market has assumed a more quiet appearance. Passing of the insecticide season has left the glass industry the largest individual consumer at present. It is expected that demand for next years insecticide requirements will start late in September or October. The contract price is unchanged at 6¼c. per pound, carlot shipments from works.

Barium Chloride—Firm with some suppliers asking higher prices. Demand showed no unusual activity with small lots commanding the most attention at the present time.

Calcium Chloride — Demand has exceeded production sufficiently to maintain a definitely tight supply condition. In some producing quarters it was stated that the market is about as tight as caustic soda a year ago Shipments have been made as rapidly as possible but are still averaging about two months behind contract schedules with no significant improvement in sight at the present time.

Calcium Phosphate — Production of monobasic amounted to 5,714 tons in June, against 6,091 tons in May and 4,253 tons in June 1947. Output of dibasic was 5,933 tons in June, compared with 6,028 tons in the preceding month and 7,304 tons in June last year.

Carbon Dioxide—June output of liquid and gas amounted to 21,388,000 pounds, compared with 20,900,000 pounds in May and 22,987,000 pounds in June last year. Production of solid, dry ice, was 82,462,000 pounds in June, against 75,317,000 pounds in the preceding month and 73,713,000 pounds in June 1947.

Carbon Disulphide—Production dropped to 32,791,873 pounds in June, compared with 37,533,338 pounds in the preceding month which was the highest monthly output for the first half of 1948. The low was in January at 30,159,133 pounds.

Carbon Tetrachloride—June production was lowest for any of the first six months of 1948 at 15,971,606 pounds. May output was 17,251,426 pounds and the high was established in January at 18,638,275 pounds.

Chlorine—Stocks were in better supply at the close than at the beginning of the month. Relaxation from the paper and textile mills during the month was offset to some extent by a seasonal increase in demand for water purification and sewage disposal. It was stated that freer stocks at distant points did not compete greatly with local supplies owing to the high freight rates.

Copper Sulphate—An advance of 50c. per 100 pounds was recorded in crystals last week. Some producers were late in making the upward revision but the market is now firmly established at $8.10, carlot shipments from works and $9.10 for smaller quantities. Monohydrated and tribasic prices were advanced earlier in the month. It was stated that shipments to Maine have been concluded and that Florida has entered the market. Industrial demand has averaged steady with occasional deferment of shipments at some points on account of vacations. Export demand was slow at the close of the month with limited inquiries from Latin America. Stocks at present are fully sufficient to meet requirements.

Nickel Carbonate — Market position maintaining a satisfactory degree of balance. Demand holding steady at recent advance with production geared to meet requirements.

Nickel Sulphate—Substantial shipments featured this market during the past month under an active demand for plating and other uses. In some producing quarters, the movement fell slightly behind contract schedules but no serious short shipments occured.

Potash Caustic — Improvement in the supply situation has taken place during the month of August. Production which was down in some quarters during July, owing to a shortage of basic material, fully recovered and the market appeared to be in better balance than at any time in the first eight months. The liquid continued in better shape than the dry forms.

Potassium Carbonate—Not in free supply but in better shape than at the beginning of the month. Demand, while showing some irregularity, has increased from the glass specialty trade. Prices have remained firm but unchanged.

Potassium Chlorate — Buying interest remained active in this market throughout the past month. After a relaxation in demand early in the Summer, inquiry from the match factories increased and was followed by a steady miscellaneous

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Aluminum sulphate, commercial, 20c. per 100 lbs.
Ammonium oxalate, technical, 2c. per lb.
Copper sulphate, crystals, 50c. per 100 lbs.
Potassium oxalate, technical, 2c. per lb.
Silver bullion, 1c. per ounce.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
222.6	221.9	217.3	199.9

Acids

Last week	Prev. week	Last month	Last year
122.4	122.4	122.1	119.3

(For Current Prices see Page 9)

inquiry which has covered production through most of October. Prices have remained firm but unchanged. While late October shipments might possibly be considered at present, producers prefer November. Domestic potassium perchlorate continued definitely scarce for prompt shipment all month. Fusee buying has featured the market and it was stated that the railroads had placed a substantial amount of business with the fusee trade for flares and signals to cover heavy fall transportation of freight. There was no change in prices with November named as the earliest shipment for new business.

Potassium Oxalate—Priced higher at 20c. per pound in barrels an advance of 2c. Increased cost of production has been the chief factor in contributing strength to the market.

Potassium Titanium Oxalate—Market position steady but without quotable change. Suppliers name 50c. per barrels and 55c. per pound for drums.

Soda Ash—Aided by a relaxation in industrial demand, producers have bought the soda ash market into a better state of balance during the past month. Reports of shortages have been largely eliminated while the absence of labor difficulties has permitted regularity to the movement from works. Tapering off of demand from the chemical, glass and paper industries is considered by some suppliers as a seasonal coincidence and an improvement is expected with the passing of the vacation season and the advent of cooler weather. Compared with a year ago, the supply situation shows substantial easement. The market has passed out of the critical stage and demand has lost its urgency.

Soda, Caustic—This market has also shared improvement in its supply condition during August but not to the same extent as soda ash. Liquid caustic stocks have been in better supply because demand has relaxed during the Summer months. Solid and flaked have remained tight and production has continued under requirements although the differential is not nearly as great as it was a year ago at this time. The market appears to have developed a rather sensitive condition and might tighten if increased demand develops during the Fall months.

Sodium Chlorate—Steady buying of this chemical during August has resulted in production being sold over the next two months. While a lot of the buying has been for weed-killing uses, there has also been a substantial demand for miscellaneous requirements. The price position has remained firm with no change in quotations.

Sulphur—Mounting freight rates have made it advisable to quote refined sulphur prices at the mine or works' basis. The price revision includes all grades. It is stated that stocks are meeting current requirements on a prompt basis.

Zinc Carbonate—Slated for an advance of 1½c. per pound on September 1 for the technical rubber-makers grade. This advance is attributed to the increased cost of production occasioned by the higher market for basic material.

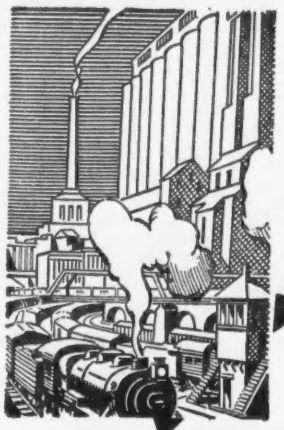
Zinc Chloride—Prices firm at the late advance for both dry and liquid grades. Demand showed no unusual activity at the close of the month and was readily supplied from stocks on hand.

Zinc Sulphate—Although no price advance was announced last week, the trade was inclined to look for an upward revision in the near future. The termination of the agricultural demand has left the market situation relatively quiet. It is expected that the rayon mills and glue factories will come into the market during the Fall months.

Acids

Acetic—While an agreement has not been reached in a labor dispute at a glacial plant, it is stated that a settlement is expected shortly and operations have been resumed although no shipments have been made for over three weeks. The market situation was relatively quiet at the close of the month. Production of synthetic acetic acid in June amounted to 35,739,677 pounds, compared with 37,144,452 pounds in May. The amount of recovered acid in June amounted to 131,203,932 pounds, against 141,818,853 pounds in the preceding month. Output of natural was 2,301,028 pounds, compared with 1,946,262 pounds in May.

Chromic — Supply situation has continued definitely tight throughout the past month. No easement in the heavy demand for plating purposes could be noted, in



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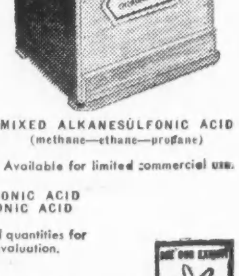
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fact the tendency appeared to be toward expansion.

Oxalic—No improvement in the supply situation could be noted during the past month. Shipments have been confined to contract consumers and are behind schedule. Meanwhile, an active miscellaneous inquiry has reached the market and is unsatisfied.

Phosphoric — Production in June was lower than the preceding month. The total registered 95,589 tons and included 47,719 tons made from phosphorus and 47,870 tons made from phosphate rock. The production total for May was revised to 98,565 tons. In June 1947 output was 89,492 tons.

Sulphuric—Stocks have remained at a level to meet August requirements on a prompt basis. The supply situation has shown improvement and at present production appears sufficient to meet the consuming demand in most areas.

Non-Ferrous Metals

Copper—Market quoted firm at 23½c. per pound with more domestic demand than supply. Consumers have made an effort to increase commitments for September but the shortage of available stocks has exerted a restricting influence on business. Export demand has relaxed to some extent during the month although it was stated ERP countries have taken material at the current market figure.

Lead — Supply conditions have shown no improvement during the past month. The recent advance in prices has not tended to ease the demand which is running considerably above the available stocks. No break was reported in the strike at a large plant and this cutback production is seriously curtailing stocks.

Occasional sales of Australian corroding lead were said to have taken place at 19.60c. per pound.

Quicksilver—Local stocks have continued ample to meet the current extent of consuming inquiry. Suppliers quote the market unchanged at $76 per flask.

San Francisco — Spot metal supplies are scarce. The market is steady. Prices unchanged. Metal was quoted at $81 per flask, f.o.b. this city.

Silver—Remained steady most of the week. The official closing for silver bullion in the New York market was at 72⅞c. per ounce.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Jan. 2, 1948—74⅝c.	Jan. 2, 1948—45d.
Low	Aug. 13, 1948—72⅜c.	Aug. 17, 1948—44d.

Zinc—Recovery of secondary zinc in all zinc-base products declined 6 percent in April, according to the Bureau of Mines. Consumers of zinc scrap reported a total recovery of 13,543 short tons compared with 14,425 short tons in March.

The quantity of zinc scrap consumed dropped 6 percent to 19,745 tons in April. Treatment of galvanizers' dross, skimmings and acids, new clippings, and flue dust decreased 1,021 tons, 539 tons, 325 tons, and 299 tons, respectively. The use

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of die-cast skimmings declined 169 tons, and the quantity of old zinc consumed dropped 166 tons. Partially offsetting these declines were increases of 458 tons of die castings, 431 tons of chemical residues, 346 tons of sal skimmings, 74 tons of rod and die scrap, and 34 tons of engravers' plates.

Zinc recovered in redistilled slab, the largest secondary product, was 5,203 tons in April, a decrease of 5 percent from March. Recovery of redistilled slab zinc has been generally increasing since the beginning of this series of monthly reports in January 1944 when the quantity of this item recovered totaled 3,309 tons. Only twice in the intervening period—in December 1947 and March 1948—has the recovery exceeded 5,000 tons. Zinc dust production declined 307 tons in April. Output of remelt spelter, zinc chloride, and lithopone also declined. Increases of varying magnitude in production of remelt die-cast slab, zinc oxide, zinc ammonium chloride, and zinc sulfate were recorded in April.

U.S. Acts to Speed

—Continued from page 5

which would assign a portion of the available supply of scarce materials to the stockpile, and industry advisory committees assisting the department are alerting their members to the needs of the stockpile.

3. Purchase procedure is being expedited because the board feels now that any material needed for the stockpile should be purchased unless the purchase is of such magnitude as to conduce an inflationary process or threaten serious injury to the national economy.

4. The board now considers itself free to accept the entire output of a new development or expansion resulting from a long-term stockpile purchase contract until stockpile needs in respect to the item are fully met.

Much is made by the board of this latter point as being a device to reconcile accumulation of strategic materials and private industrial needs for the same material in a time of scarcity. The long range contract also provides the board with a device by which it can get out from under the problem of determining when premium prices shall be paid in carrying out the "Buy American" provision of the stockpiling law.

"The long-term contract will be useful in bringing a new source of production into being," the report stated. "It will do this by providing a guaranteed market to a new producer. The guarantee is for a long enough period to enable the producer to amortize most or all development costs. Payment by the government is made only against deliveries of the materials contracted for."

The materials being stockpiled by the board are defined as those materials required for essential uses in a war emergency, the procurement of which in adequate quantities, quality and time is sufficiently uncertain for any reason to require prior provision for the supply thereof. Three different subdivisions of strategic and critical materials are recognized by the board:

Group A — those materials for which only stockpiling can insure an adequate supply for a future emergency.

Group B — additional materials, less urgently needed, that can be stockpiled.

Group C — additional materials posing problems of storage such as to outweigh the advantages of stockpiling them.

Only Group A materials have been purchased for the stockpile, although Group B materials have been accepted as surplus materials transferred from other agencies.

In reaching for its stockpiling goal, the board is attempting to do so on an overall basis because of the difficulty of assigning any priorities of relative importance to any particular item. The lack of any single item may cause industry to fail in its support of military operations.

To emphasize lagging commodities, the board has established short-range goals and does not usually make purchases of items already held in excess of these goals. A cut-off date of June 30, 1949, has been established as the current short-range goal and it is not planned to include commodities in the current purchase program if the stockpile already contains quantities of such commodities equal to the goals set for accumulation by that date.

The report makes no attempt to show what is contained in the stockpile or the goals set for the various items. It states that since January 1 the prices of some materials have risen and a present estimate of the gross value of all stockpile objectives now is $3,402,997,000. The value of the delivered products in the stockpile amounts to $597,000,000, or 17.6 percent of the objective, and $252,000,000 of products, or 7.4 percent is in sight, making a total of 25 percent of the goal.

Swiss Company Planning Huge Chromic Acid Output

Galvacron, Ltd., Lugano, Switzerland, has established a new plant for the production of sodium bichromate and chromic acid, the company announced last week. The firm reports that chromic acid output will be about 8,000,000 pounds a year, enough to satisfy the entire European consumption.

Trade Briefs

Colonial Microbiological Research Institute has been established in Port-of-Spain, Trinidad, to provide a center for fundamental research in microbiology for the assistance of agriculture and other industries.

Robert S. Aries, of the Polytechnic Institute of Brooklyn, addressed the Societe de Chimie Industrielle recently in Paris on the subject of the "American Chemical Industry and Its Relation to the European Chemical Industry." He gave another lecture to the Federation of Chimie in Bruxelles, Belgium.

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Organic Chemicals Imports, Exports for 1947 Reported

United States imports and exports of specified organic chemicals in 1947, compared with similar information for 1946, were reported last week by the bureau of the census of the Department of Commerce as follows:—

Imports

	1947	1946
Acid, acetic (more than 65%), lbs.	11,864,000	6,170,000
cresylic, gal.	2,552,000	2,645,000
tartaric, lbs.	22,000	377,000
Argols, tartrates and wine lees, lbs.	5,639,000	15,233,000
Benzene, gals.	1,055,000	2,392,000
Camphor (not. and ref.), lbs.	73,000	44,000
Casein, lbs.	20,887,000	45,346,000
Creosote oil, gal.	34,498,000	2,342,000
Cresols (ortho, meta and para), lbs.	391,000	1,236,000
Ethyl alcohol, gals.	21,302,000	25,578,000
Glycerin, crude, lbs.	2,840,000	9,809,000
refined lbs.	807,000	12,473,000

Exports

	1947	1946
Acetic anhydride, lbs.	1,835,000	2,134,000
Acetone, lbs.	37,063,000	21,844,000
Acid, acetic, lbs.	11,305,000	5,701,000
acetylsalicylic, lbs.	3,183,000	3,122,000
tartaric, lbs.	1,219,000	1,242,000
Aniline oil and salts, lbs.	4,387,000	3,975,000
Benzene, gals.	1,547,000	6,019,000
Butyl acetate, lbs.	18,438,000	5,761,000
alcohol, lbs.	22,178,000	5,625,000
Camphor (nat. and syn.), lbs.	2,969,000	1,377,000
Carbon tetrachloride, lbs.	6,340,000	4,018,000
Ethyl acetate, lbs.	2,311,000	3,653,000
Ethylene glycol, lbs.	18,117,000	14,081,000
Formaldehyde, lbs.	13,312,000	11,065,000
Glycerin (100% basis), lbs.	4,378,000	654,000
Methanol, gals.	365,000	406,000
Methylethyl ketone, lbs.	5,942,000	2,916,000
Phenol, lbs.	20,984,000	24,686,000
Toluene, lbs.	25,247,000	21,795,000

Dow Shifts Sales Staffs

—*Continued from page 5*

tural chemicals, a position he retained until his retirement.

Mr. Panter joined Dow in 1918 and a year later was made assistant sales manager, specializing in the sale of industrial chemicals. Throughout his service, Mr. Panter was active in expanding the company sales program for industrial chemicals, and with the gradual expansion his duties broadened until he took complete charge of the major heavy chemicals produced by the company.

Mr. Allen has been associated with the company since 1931, when he joined Dow as a chemist. Following transfer to the insecticides sales staff, he became a member of the company's technical research staff. He was named assistant manager of this department in 1943 and advanced to manager in 1945.

Dr. Roehm joined Dow in 1937, first serving as a biochemist and bacteriologist. He transferred to the insecticide sales staff and later to the technical service and development division when that section was organized in 1943. He became assistant manager of the division in 1945.

Mr. Butenschoen has been associated with Dow since 1935, with his duties centering on sales. Mr. Harris joined Dow in 1932 as a salesman, and in 1944 became a product engineer, working on problems related to industrial ethylene glycol and phenol derivatives.

Mr. Wildes came to Dow's St. Louis office as a salesman in 1920. He later transferred to Midland, joined the Chicago sales office as assistant manager when that branch was formed in 1936 and two years later returned to Midland to work with alkalies and industrial solvents sales. Mr. Melching was added to the Dow staff in 1936 as a member of the sales staff and was promoted to manager of the special chemicals sales staff in 1941. He transferred to the magnesium engineering department, was made assistant manager of the plastics engineering department, became a product engineer in industrial chemical sales, and later was made assistant manager in charge of "Dowicide" sales.

Other staff changes and additions were reported by the company as follows:—

The export division has added F. R. Crane and T. E. Knapp to its sales staff.

E. D. Serdynsky, chemist of the saran development laboratory, has been advanced to the position of project leader of the laboratory. He has been with Dow since 1938.

John F. White recently transferred to the Boston office of company from the firm's New York branch. Mr. White will sell general magnesium products throughout Massachusetts, Vermont, New Hampshire, Maine and a part of Connecticut. He has been with Dow since 1943.

Recently employed by Dow is I. J. Cummings, jr., as a chemical engineer in coatings technical service. Mr. Cummings was formerly with the Imperial Chemical Company, Iowa.

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Forest Products Research Group to Meet Oct. 21-22

The northeast section of the Forest Products Research Society will hold its second meeting of the year at the Pennsylvania hotel, New York, on October 21 and 22. Participating will be section members from New York, New Jersey, Pennsylvania, New England states and Canada. The program has been keyed to problems currently encountered in wood-working plants.

Following registration, the meeting will get underway with the presentation of papers on "Plant Layout," "What's Wrong With Present Kiln-drying Methods?" and "Dry Bending of Wood."

Following a business meeting at the end of the morning session the first day, L. F. Whittemore, president of the Federal Reserve Bank of Boston, will speak at the luncheon. George A. Garratt, dean of the school of forestry at Yale University, will act as toastmaster.

The afternoon session will be devoted to a gluing clinic, highlighting stock preparation, glue formulation, and hot and cold press and radio frequency curing. Several recognized authorities in the gluing field will sit as a panel to which problems of those in attendance may be addressed.

The session of the second day will be primarily concerned with research and development in the wood industry. Papers will be presented dealing with sawdust molding, the need for better machinery and the future of research in the paper industry. No formal afternoon session is planned for the second day.

Patterson Names Hood N.E. District Manager

The Patterson Foundry & Machine Company, East Liverpool, Ohio, has announced the appointment of James H. Hood, jr., as district manager of the company's new office at Boston, Mass. Mr. Hood will service the New England territory. Mr. Hood was formerly connected with the inspection division of Stone & Webster Engineering Corporation.

Hunt Produces New Photo Copy Developer

Philip A. Hunt Company, manufacturer and distributor of chemicals for lithographers, photo-engravers and photographers, Brooklyn, N. Y., announces the introduction of its new formula "Graph-O-Stat Developer" for photo copy work. The new formula has been specially compounded to afford faster development and give finer quality reproductions, in the case of all standard types of paper used in copying machines.

Having a higher development contrast, than any comparable developer — over nearly the whole range of exposures— "Graph-O-Stat" cuts development time approximately 15 percent.

Witco Moves L.A. Office

The Los Angeles office of the Witco Chemical Company has moved from 2465 Porter street to 649 South Olive street, Los Angeles 14, according to a company announcement. The new office is in the recently constructed Trans-America building, rooms 911 and 912.

Trade Briefs

C. Egon von Mauchenheim has joined L. W. White & Co. as manager of the chemicals and raw materials division.

Industrial Research Institute of the University of Chattanooga has appointed Dr. J. Horace Coulliette technical director and Dr. Irvine W. Grote administrative adviser.

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Linde Air Products Offers Two New Alumina Powders

Two high-purity alumina powders, said to be characterized by ultra-fine, uniform particle size, exceptional hardness and large surface area, are now offered in commercial quantities by Linde Air Products Company, a unit of Union Carbide & Carbon Corporation, New York.

The company claims that these powders have already proven successful as ultra-fine abrasives in metallographic polishing, and, in view of their overall chemical and physical properties, show promise in optical and gem finishing, metal finishing, as ingredients in the manufacture of phosphors, and as catalyst carriers in chemical processes.

Bklyn. Polytechnic Plans Engineers Economics Courses

With an increasing emphasis on its graduate offerings in economics, the Polytechnic Institute of Brooklyn during the 1948-49 academic year will present fourteen courses dealing with the basic problems of industrial enterprise in relation to all fields of engineering, it was announced yesterday by Dr. Raymond E. Kirk, dean of the graduate school and head of the department of chemistry.

These courses, Dr. Kirk said, are given by Polytechnic primarily because engineers have come to realize increasingly the importance of supplementing their strictly technical training with training in the economic aspects of engineering in industry.

A new course given for the first time in this country will be available this Fall for chemists and chemical engineers. It stresses the economic balance in time and demand necessary to translate new technical projects into successful industries.

Dr. Robert S. Aries, who with Dr. Donald F. Othmer, head of the department of chemical engineering, has just completed a survey for the industries of Spain, will present this course, Economic Balance in Chemical Manufacture, and also Engineering Economics which was introduced two years ago.

The schedule in economics for the 1948-49 academic year also includes:—Chemical Engineering Economy, Chemical Engineering Administration, Management Planning, Production Planning, Industrial Organization and Control, Organization of Manufacturing Processes, Statistical Analysis, the Development of American Industries and Legal Aspects of Engineering.

ACS Sections Elect

Edward S. Harlow, coordinator of research in the laboratory of the American Tobacco Company, Richmond, Va., has been elected chairman of the Virginia section of the American Chemical Society. He succeeds Clifford M. Smith, of the Waynesboro, Va., division of E. I. du Pont de Nemours & Co., Wilmington.

Others officers elected were Dr. Robert E. Lutz of the Cobb chemical laboratory of the University of Virginia, executive vice-chairman; Dr. Lynn D. Abbott, jr. of the Medical College of Virginia, vice-chairman; Dr. Arthur F. Martin, jr. of the Hercules Powder Company, Hopewell, secretary, and Dr. Kenneth C. Bass, jr. of du Pont Company, Richmond, treasurer.

William K. Mohney, assistant chief plant chemist of the Meadville, Pa., plant of the American Viscose Corporation, has been elected chairman of the Erie section. He succeeds Dr. Harold M. Slate, assistant prof. of chemistry at Allegheny College.

Other officers of the section, which serves Crawford and Erie Counties in Pennsylvania, are Dr. Henry E. Obermanns of the Hammermill Paper Company, Erie, vice-chairman, and Carl L. Anderson, of Hammermill, secretary-treasurer. Dr. Obermanns was Section secretary last year, and heads the current program committee.

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Textile and Leather Chemicals

Steady declines in the corn market as a result of a record crop caused the first break in corn derivatives since last February and dextrin, starch, and tanners sugar were reduced 35 cents per 100 pounds. This had a weakening effect on other starches and potato and wheat also declined fractionally. Technical albumen egg and egg yolk developed an easier tone, because of slow demand and increased supplies and were off from 1 to 2 cents per pound. Edible albumen remained unchanged and steady as stocks were reported limited. The price index declined to 373.1, against 382.2 last month and 327.9 last year.

Trading in sizing materials continued slow, chiefly for actual requirements. Sago flour was more active for shipment and supplies on the spot were cleaned up. Offers of tapioca flour for shipment from Brazil continued light for the high grades which kept the local market steady. Low grades were inactive and easy, because of liberal stocks here and for shipment.

Reduced tanning operations continued to affect the consumption of tanning materials. The market remained in the doldrums, and quotations were entirely nominal for most materials. Tanners inventories were reported from modcrate to heavy, and coupled with light leather production, the consensus is that improvement in demand for replacements was not likely to occur until late in the year. Mangrove bark and wattle extract were the only materials that have been receiving a good inquiry of late for shipment.

During the second quarter of 1948 production of woolen and wosted fabrics (except felt) amounted to 131,000,000 linear yards, according to preliminary figures released by the Bureau of the Census. This quantity was practically the same as that produced during the previous quarter. Fabrics produced for use in men's and boys' wear increased slightly, but fabrics for women's and children's wear decreased about 2 percent.

Market Trends

Prices Advanced

None

Prices Reduced

Corn dextrin, 35c. per 100 lbs.
starch, 35c. per 100 lbs.
sugar, tanners, 35c. per 100 lbs.
Egg albumen, tech., 2c. per lb.
yolk, 1c. per lb.
Potato starch, ½c. per lb.
Wheat starch, 35c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
373.1	375.1	382.2	327.9

(For Current Prices see Page 9)

Chemicals

Aluminum Acetate—Limited quantities were maintained at former quotations. Business was quiet, with a moderate volume reported moving against current contracts.

Bichromates — Tight supply situation still featured this market. Production moved steadily against former orders. Export inquiry was fairly active, though shipments were restricted by scarcity of available supplies. Prices were unchanged and firm. Output of sodium bichromate and chromate was reported at 7,916 short tons in June by the Census Bureau, compared with 7,962 tons in May and 7,426 tons during June last year.

Sodium Acetate — Market remained steady, as a result of the scarcity of surplus material. Business was light, chiefly for actual needs. Quotations were without change and firm.

Sizing Materials

Blood Albumin—Bulk of available supplies were absorbed against recent contracts. Supplies were not heavy but adequate to cover consuming demand. Market was unchanged and steady.

Corn Dextrin—Lower cost of cash corn was reflected in this material, and quotations were reduced 35c. per 100 pounds. Production was sold ahead, and deliveries against former orders were still behind schedule. New price schedule follows:—British gum, $8.34 per pound, paper bags, carlots, New York delivery; canary, $8.08; dark, $8.18 and $7.93, same basis. Less carlots were 15c. per 100 pounds higher.

Corn Sugar—Prices of tanners chipped corn sugar were lowered 35c. per 100 pounds, following the decline in corn. Carlots were quoted at $6.24 per 100 pounds, paper bags, and at $6.29 for barrels, New York delivery.

Corn Starch—Sharp break in corn resulted in price reduction of 35c. per 100 pounds. Pearl was cut to $6.66 per 100 pounds, paper bags, carlots, New York delivery, and powdered to $6.77, same basis. Less carlot quantities were 15c. per 100 pounds higher. Demand of late has been light and spasmodic, and chiefly for actual needs, because of the record prospective corn crop. Visible corn supply declined 72,000 pounds to 1,144,000 pounds for the week ended August 21, compared 8,047,000 bushels for the same period last year, it was reported by the Chicago Board of Trade.

Egg Albumen—The edible grade has become scarce and remained steady at $2.66 to $2.80 per pound, as to quantity. Offerings were light and were restricted to small lots, which were sold on the basis of $2.75 to $2.80. Chinese albumen was quoted at $2.72 per pound, exdock, for prompt delivery and to-arrive. Increased supplies of technical created an easier tone and quotations ranged from $1.45 to $1.60 per pound, depending upon quantity and seller.

Egg Yolk—This market was easier and was affected by liberal offers for shipment from China. Prices were lower and quoted at 91c. to $1 per pound, depending upon quantity. Trading was slow, chiefly for actual needs.

Potato Starch—Quiet demand and increased offerings further weakened this market, and quotations were off ¼c. per pound. Business was confined to small lots for immediate delivery. Grinders in the West were offering more freely. Carlots were quoted at 7.47c. per pound, New York basis, and at 8¼c. to 8½c. for lesser quantities on the spot. Export inquiry was reported fairly active, but the shortage of dollars reduced the volume of business.

Sago Flour—Good demand cleaned up supplies on the spot, and market was steady at 9c. per pound for moderate quantities Trading for shipment also was improved and sales were reported at 8c. per pound, carlots, exdock, for prompt delivery.

Tapioca Flour — High and medium grades remained on a steady basis, while the low grades were easy and in liberal supply. High grades were firm at 10¼c. per pound, as to quantity, mediums ranged from 9c. to 9½c. and low were nominal at 7½c. for spot delivery. The Brazilian market was reported steady, especially for the better grades. Despite occasional export restrictions of manioc products from Brazil, in 1947, the value of shipments totaled 159,106,215 cruzerios. Exports included 54,343 tons of manioc meal, 20,733 tons of starch, 2,768 tons of tapioca, 3,504 tons of mucilage, 215 tons of pearl tapioca and 43 tons of manioc bread flour.

Wheat Starch — This market reflected the decline in corn starch, and prices were off 35/100c. per pound. Quotations were reduced to 6.70c. to 7.20c. per pound, depending upon quantity, New York delivery.

Tanning Materials

Mangrove Bark — Consuming inquiry was active, but with supplies scarce at primary centers, trading was quiet. Most of the recent business was confined to old crop material, as new cuttings from Africa were reported unobtainable. Shipments of 38 percent tanning were quoted nominally at $66, per ton, exdock. Some 3,140 bags of mangrove extract were received at New York from Singapore last week.

Myrobalans—Buying interest continued dull and the market remained entirely nominal. Offerings were liberal at former quotations.

Quebracho Extract — Business was reported limited to moderate quantities for immediate requirements. Offers for shipment were liberal and maintained at current quotations. Reduced tanning operations have affected the demand for replacements of all tanning materials. Arrivals totaled 15,368 bags at New York last week.

Valonia—Business was reported in the doldrums, and quotations were unchanged and more or less nominal. Liberal offers for shipment of all grades attracted little attention.

Wattle—This market remained steady, though trading was reported light and spotty.

For Late Market Developments. See Page 4

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Pridham Conducts Forum On 2,4-D in New Zealand

Thirty top-ranking New Zealand scientists recently attended a two-day forum on weed control and growth regulation conducted by Dr. A. M. S. Pridham, professor of horticulture at Cornell University.

American methods of weed control, particularly with 2,4-D were discussed and demonstrated by Dr. Pridham at the New Plymouth Golf Club in New Zealand. The Cornell professor is on sabbatical leave to New Zealand and Australia. He is studying comparative weed control methods there.

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Agricultural Chemicals

An increase in the index number from 76.4 to 79.7 was recorded last week. This compares with 76.4 a month ago and 71.6 for the corresponding week in 1947. An advance in the domestic contract price for coke-oven ammonium sulphate was responsible for the upward revision in the index number. Sales of chloropicrin were made at higher prices, the advance averaging 5c. per pound. No new price changes were recorded in sodium nitrate: Both importers and domestic producers are selling from warehouse points for immediate shipment but are not considering contracts at the present time. Potash is finding a steady outlet through regular contract channels and the same condition is noted in ammonium nitrate and superphosphate. It is expected that pressure for shipments of the basic fertilizer chemicals will increase in the last quarter when many of the smaller mixers will resume operations.

Dried blood did not command much attention at the close of the month. Freer supplies of corn and other competing products has dampened buying enthusiasm temporarily from the feed trade for both dried blood and tankage but cutback production of both materials has checked any decline in prices. Fish meal, under the same conditions, was quiet and about steady. There was no spot castor pomace available in the open market and no additional sales of hoof meal could be traced although there were buyers at $6.50 per unit in the Chicago market. Bone meal was difficult to locate for prompt shipment and the market retained the same firm position recently noted.

Reports to The National Fertilizer Association of state control officials in the 15 states using tax tags indicate that sales of fertilizer tax tags during July were at their lowest so far this year. The 362,000 equivalent short tons reported for July represented a drop of six percent from a year ago, but were five percent above two years ago, when sales were equivalent to 345,000 tons.

The 11 southern states, with sales during July amounting to 173,000 tons, accounted for only 48 percent of total sales in all 15 states; this is the first time that July sales in the 11 southern states have not been as great as in the four midwestern states. Sales in four states, Arkansas, Louisiana, Texas and Oklahoma, were above last July, with Arkansas reporting the greatest tonnage increase. The remaining seven states all showed decreases, ranging from 1,000 tons for Alabama to 27,900 tons for North Carolina.

Reports from the four midwestern states reveal that total sales amounted to 188,000 short tons, a seven percent increase over the 176,000 tons for last July and a 38 percent increase over two years ago. Compared with last year, sales during July increased 15 percent and 63 percent for Indiana and Kentucky respectively; for Missouri and Kansas, however, sales were off 12 percent and 53 percent respectively. The 118,000 tons reported for Indiana was the second highest month on record for that state, the highest being the 124,000 tons reported for November, 1947.

Domestic production figures appearing below unless otherwise designated are from the Bureau of the Census, Department of Commerce.

Nitrogenates

Ammonium Nitrate—Production of original solution dropped nearly 6,000 tons in June. The total registered 70,299 tons, compared with 76,000 tons in the preceding month and 85,655 tons in July, 1947. In this year's June production, 55,842 tons were fertilizer grade and 14,457 tons included all other grades.

Ammonium Sulphate — Contracts are priced higher at $45 per ton for coke-oven material, bulk, carlot shipments from works. Demand has continued active and in excess of production, leaving the supply situation definitely tight. Production of synthetic technical in June amounted to 29,134,000 pounds, compared with 29,632,000 pounds in May and 33,602,000 pounds in June last year.

Bone Meal—Buying interest did not appear quite as active at the close of the month. Smaller production has kept offerings down, particularly for prompt shipment, while prices have been firmly sustained at former levels.

Castor Pomace—No spot material was offered in the open market. The contract price remained unchanged at $27.50 per ton in bags, carlot shipments, from works.

Dried Blood—It was stated that a car sold recently at $7.25 per unit of ammonia in the local market, although $7 was quoted New York at the close and $7.25 in Chicago.

Fish Meal—No price changes were recorded in the Baltimore area for menhaden fish meal. Demand from the feed trade has shown some relaxation, possibly because of freer supplies of corn. The fishing season is approaching its close, and sellers appeared content to hold stocks rather than force business at the expense of prices. Sardine meal at Los Angeles was priced at $130 per ton for 65 percent.

Hoof Meal—Available stocks have remained in scant supply during the past month, with production down and below normal. The Chicago market was quoted at $6.50 bid and $7 asked per unit of ammonia.

Sodium Nitrate—Firm and in short supply, with producers and importers not inclined to book contracts at the present time. Immediate shipments have been made from warehouse points, that have stocks, to satisfy spot requirements. No new price changes were reported.

Tankage—Activity was not general in this market and the situation at the close of the month was a relatively tame affair. In New York, $6.75 was named and in Chicago $7.25 per unit of ammonia. Demand from the feed trade has shown appreciable relaxation over the last half of the month.

Fertilizer Tag Sales: July

	Equivalent tons July 1943	July 1947	Jan.-July 1948
Virginia	17,411	24,830	459,770
North Carolina	7,501	35,352	1,093,885
South Carolina	3,768	19,954	656,436
Georgia	10,500	17,745	930,416
Florida	28,724	39,484	423,573
Alabama	28,541	29,350	803,555
Tennessee	11,783	14,717	317,722
Arkansas	16,619		181,125
Louisiana	5,350	4,850	134,307
Texas	22,453	19,346	280,216
Oklahoma	15,750	3,000	91,236
Total South	173,200	209,129	5,377,241
Indiana	117,517	102,047	526,218
Kentucky	34,555	21,188	377,287
Missouri	23,145	26,525	260,796
Kansas	11,213	23,775	68,733
Total Midwest	188,430	175,535	1,233,034
Grand total	361,630	384,664	6,610,275

Market Trends

Prices Advanced
Ammonium sulphate, $5 per ton.
Chloropicrin, 5c. per lb.

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
79.7	76.4	76.4	71.6

(For Current Prices see Page 9)

Phosphates

Phosphate Rock—According to trade reports, supply conditions showed no more improvement at the close than at the opening of the month. Demand for home and export has continued active, and increased production so far has not been reflected in any important easement in the domestic stocks above ground. High producing costs have remained the primary factors in maintaining a strong market situation.

Production of phosphate rock in Tunisia in the first quarter of 1948 totaled 511,820 metric tons, an increase of approximately 18 percent over the output of 434,869 tons in the corresponding period of 1947. Exports of phosphate rock in the three-month period January-March, 1948, amounted to 461,162 tons, compared with 463,401 tons in the first quarter of 1947. Exports to France, the United Kingdom, Germany and the Netherlands increased considerably, whereas those to Italy, Belgium and Portugal declined sharply.

Superphosphate—Market position firm under a seasonal demand. Shipments against contracts accounted for most of the month's movement. Many of the small mixers are closed during the Summer and early Fall months but are expected to resume operations in October or November. Production of normal superphosphate fertilizer material in June was 732,500 tons, 16 percent less than May, 1948, but 1 percent higher than June, 1947. Shipments declined to 279,609 short tons or 21 percent below the figure for

For Late Market Developments, See Page 4

May but still 2 percent higher than June of 1947. Quantities of normal superphosphate used in reporting plants were 24 percent less than in May and 9 percent less than for a year ago. Stocks on hand at the end of June were 21 percent above May and 65 percent above June, 1947.

June production of concentrated superphosphate was 36,002 tons, 10 percent below the record high of May and 17 percent above June, 1947. Materials used in the reporting plants were 21 percent greater than in May and 46 percent greater than in June, 1947. Shipments were about the same for May and June, 1948, and were 54 percent above June, 1947.

Total supply of wet-base goods, amounting to 5,127 short tons, continued to decline for the sixth consecutive month. Production was 3,044 tons and 26 percent off for June compared with May; shipments were 62 percent below the May figure. Stocks on hand at the end of the month increased 60 percent over the May figure but were 13 percent below June, 1947.

Potashes

Demand from mixers as well as dealers has continued active throughout the month of August. As these interests are mostly covered by contracts the movement has been directed into regular channels. The desire to increase commitments has been pronounced with producers unable to consider additional business at this time as output is heavily booked ahead. Plant repair work is said to be progressing favorably while, so far, transportation has provided regular shipments from mines.

Los Angeles Fertilizer Market

Los Angeles.—Nitrogenous materials were a little weaker here this week. Organics remained tight, and prices of both were unchanged. Ruling prices were:—Ammonium nitrate, $75.04 per ton f.o.b. this city. Ammonium phosphate, $65 per ton 16/20 grade f.o.b. Los Angeles, and $89.50 per ton for 11/48 grade f.o.b. this city. Ammonium sulphate, $48.50 in bulk, $51.50 in bags. Blood meal, $6 per unit of ammonia at source. Bone meal, $60 to $62 per ton for steamed 1x30 meal. Fish meal, $130 per ton f.o.b. Los Angeles for 65 percent California sardine meal. Sodium nitrate, $53 per ton in 100-pound bags. $5 off for bulk. Potassium muriate, 43½c. per unit f.o.b. Trona basis. Bags additional. Potassium sulphate, 95 to 98 percent K_2SO_4 in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $20.20 f.o.b. this city, bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

Barbasco Root—Peru's exports of barbasco root in the four-month period January-April, 1948, totaled 949 metric tons, valued at 21,199,530 soles (one sole, official rate, equals $0.1538, United States currency), according to preliminary customs statistics. The United States was the only purchaser. Exports of ground root (powder) in the same period amounted to 76 tons, valued at 281,969 soles. The United States and the Netherlands were the countries of destination. In 1947 exports of barbasco root totaled 5,268 tons, valued at 12,612,425 soles; they went to the United States (99 percent), the Netherlands Italy and Mexico. Exports of ground root in 1947 amounted to 1,218 tons, worth 13,830,833 soles; the United States and the Netherlands were the purchasers.

Benzene Hexachloride—June production declined from the preceding month. The total was 1,567,942 pounds, compared with 1,769,200 pounds in May, which was the highest monthly level established during the first half of the year. The gamma isomer content in June amounted to 219,517 pounds, against 237,554 pounds in May.

Calcium Arsenate—One of the few chemicals where production increased in June. The total was 5,488,000 pounds of commercial, against a revised total of 3,399,000 pounds in May and 8,859,000 pounds in June last year.

Chloropicrin—Priced higher at $1.35 per pound for commercial bottles, 85c. for 180-pound cylinders, 87c. for 100-pound cylinders and $1.12 for 25-pound cylinders. Cylinders can be returned free to works. The market averages about 5c. per pound advance, plus the cost of return cylinders. Demand was satisfactory this season, although possibly a little short of 1947, but the differential was more than made up by export sales. Current stocks are adequate to meet requirements promptly.

Lead Arsenate—Output was lower in June. Production of acid and basic material registered 2,097,000 pounds, compared with 3,127,000 pounds in May and 1,436,000 pounds in June last year. The market, while quiet, has remained firm at the recently advanced price level.

Paradichlorobenzene—Closed the month in a relatively quiet condition. The lower prices quoted have brought out a better inquiry, and it looked as though a seasonal increase in sales will take place in September, when the peach growers process their trees.

Pyrethrum—Preliminary estimates by the Department of Agriculture, Tanganyika, place the Territory's 1948 pyrethrum crop at 370 metric tons. The derris crop is estimated at 8 tons.

Sulphur and Pyrites

Production of native sulphur in the United States in June, 1948, continued at a very high rate, according to reports of producers to the Bureau of Mines. June output amounted to 409,610 long tons, compared with 409,530 in the preceding month and 359,313 in June last year. Sales declined somewhat, and consequently producers' stocks increased 6,279 long tons. During the first six months of 1948 more sulphur (2,394,509 long tons) was produced than in any similar previous period. Sales were also at a record level, and stockpiles declined 67,050 tons to a total of 3,303,984 tons. The pyrites market held a steady position, with prices unchanged.

Van Dyk Changes Name of Synergist

Van Dyk & Co., manufacturing chemists, Belleville, N. J., announces that the name of its new pyrethrins and rotenone synergist has been charged from "Octacide 264" to "Van Dyk 264." A descriptive booklet about "Van Dyk 264" is available from the manufacturers.

Bemis Cotton Mill Opens Employee Clinic

A modern medical clinic for the use of employees and their families has been built by the Bemis Cotton Mill in Bemis, Tenn. The building and some equipment are owned by Bemis Bro. Bag Company which is making office and laboratory space available to doctors and dentists for a nominal rental fee.

Fertilizer Data Reported For July-December, 1947

United States imports and exports of fertilizer materials during the last half of 1947 were reported last week by the bureau of the census of the Department of Commerce. The statistics, in short tons, and compared with the last half of 1946, were given as follows:—

Imports

	1947	1946
Nitrogenous—		
Ammonia sulphate	53,730	38,816
nitrate and mixtures	64,449	*
Sodium nitrate	199,970	117,503
Calcium cyanamide	87,002	93,963
Other chemical nitrog. materials	10,948	54,007
Organics	9,192	4,490
Total nitrogenous	425,291	308,779
Phosphatic—		
Crude phosphates, incl. apatite	27,132	33,498
Superphosphates	4,746	1,132
Other phosphatic	.....	750
Total phosphatic	31,878	35,380
Potassium chloride	6,782	.....
Miscellaneous and mixtures—		
Ammonium phosphates	57,685	43,628
Guano and manures	1,143	10,178
Peat moss	22,190	23,804
Mixed fertilizers	10,247	5,440
Other materials	6,220	4,322
Total miscellaneous	97,485	87,372
Total imports	561,436	431,531

Exports

	1947	1946
Nitrogenous—		
Ammonium sulphate	61,321	11,518
Sodium nitrate	13,589	11,097
Other chemical nitrog. materials	50,546	31,804
Organics	3,282	4,027
Total nitrogenous	128,738	58,506
Phosphatic—		
Florida land pebble	211,800	221,697
hard rock	74,370	48,169
Other phosphate rock	163,538	123,584
Normal phosphate	131,832	87,257
Concentrated superphosphate	9,518	40,761
Other phosphatic	679	479
Total phosphatic	591,737	521,947
Potassic—		
Potassium chloride	41,018	38,200
Other potassic	9,385	10,919
Total potassic	50,403	49,119
Miscellaneous and mixtures—		
Nitrogenous phosphatic types	34,099	3,650
Other mixtures	7,757	10,322
Total miscellaneous	41,856	13,972
Total exports	812,764	643,544

*Included with other chemical nitrogenous materials.

Insect-Killing Device For Airplanes Shown

An automatic centrally-controlled device for releasing aerosols to free aircraft of hitchhiking insects was demonstrated to representatives of several interested governmental agencies last week at the Department of Agriculture's Research Center at Beltsville, Md. The automatic device has been developed because it has long been recognized that the ordinary aerosol bomb does not give the best kill of such insects on planes.

Work on this project was originally initiated several years ago by the Pan-American sanitary bureau and the Navy, and has also been participated in by a number of other agencies, including the Public Health Service, the bureau of entomology and plant quarantine of the Department of Agriculture, and the Department of the Army.

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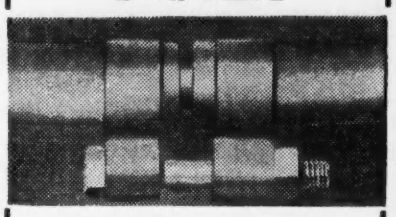

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Coaltar Chemicals

No price changes were reported in the market for coaltar chemicals last week, with the result that the weekly price index remained at 154.6, a figure at which it had been for several weeks. There were no material changes in the supply and demand pictures either. Here and there it was reported that some products were easing up slightly, but on the whole the easing was not sufficient to have any noticeable effect on the market.

Basic products, except creosote, were in a tight position as to supply and there seemed to be no immediate hopes of any easing. The intermediates were in a somewhat better condition, although it could not be said that all of them were in an easy position, for there were still a number of shortages.

Buyers were still watching cresylic acid, cresol, phenol and the refined pyridins, as a result of action taken during the previous week when one producer went over from a freight equalized basis to a works basis. Other producers were said to be giving the matter their attention but there were no announcements from them regarding what they planned to do.

One producer had already announced that prices on phenol would go up as of September 1. Another producer had switched the price basis of this material from freight equalized to works, but was expected to make no further changes immediately. Still another producer was considering the price structure of the material but had no immediate announcement to make.

September looked like an interesting month as far as the price schedules on refined naphthalene, phthalic anhydride and cresylic acid were concerned. These materials had been talked about in the industry for some time but price schedules were still not settled, although indications were that the month of September might see some of them made or at least announced for future dates. There was word that one producer was considering September 1 as a date for price changes on naphthalene. Some quarters had already gone up on phthalic anhydride, and others were giving the possibility of similar action their attention. There had been talk of substantial increases on cresylic acid, but it remained to be seen whether these would come about or whether producers would go over to a works basis and at that time make adjustments in price.

The operating rate of steel companies having 94 percent of the steel capacity of the industry was 95.9 percent of capacity during the past week, according to the American Iron and Steel Institute. This was equivalent to 1,728,600 tons of steel ingots and castings, compared to 1,712,400 tons one week before; 1,633,700 tons one year ago and 1,281,210 tons for the average week in 1940, the highest prewar year.

Basic Products

Benzol—This material continued to be in a tight position last week, and there were no hopes of any immediate easing in the supply situation. Demand for it was continuing at a strong rate and producers of the item fully expected that their orders for it would keep on coming in steadily. Some producers felt that the supply position of this material was critical, but others were of the opinion that, although tight, it still had not reached what might be called a critical stage. Nevertheless, there was no abundance of it to be found, and producers were doing all they could to keep their facilities working at a level sufficiently high to take care of as many requests as they could.

One factor in the situation that still had the interest of producers as well as buyers was the change over that some concerns had made from a freight equalized to a works basis. This move, growing out of the recent Supreme Court decision affecting the cement industry, was led by the steel companies, with some other producers soon falling into line. Other producers still had not established works bases, but to some of them the change over was a considerable task, and their announcements were still being awaited.

Coaltar—There was no particular feature to the market for this material during the past week. There had in recent weeks been some slight easing in demand reported for the material, but there was little actual difference noted in the market as far as the availability of the material went. What one user did not want, another did, with the result that the product was being absorbed quickly and there was none around to spare. Sellers characterized the demand as still heavy and saw no indications of any changes due for the immediate future. It was still in a difficult position as far as supply went, and those close to the industry expected that it would remain that way for some time to come. There were no changes in the price schedule and there were no indications that any were expected in the immediate weeks to come.

Creosote—This material was still going at 19½c. a gallon, and although there were frequently recurring reports of some sellers shading this price, the larger concerns last week reported that they were still sticking to the 19½c. figure and would continue to do so.

Supply of this material was at a very high point, and although demand for it was reasonable, there was still an abundance of the product on the market. Some suppliers reported that they were having difficulty in finding sufficient storage space for their goods, but others said that while they had plenty on hand they were still having no difficulty in storing it. Domestic production was still up to high levels, and there was a good deal of the item being brought in from abroad. Demand for the material had been affected by several factors, among them the poor weather in the timber country, the diversion of wood from ties and poles to building material and the competition coming from concrete and structural steel products.

Sales of this material were reported to be better on the West Coast than they were on the East Coast. In the Pacific area it was reported that business fell off a few months back but it was said that there was signs of improvement showing there now. The East Coast trade had gone into a slow period early in the year and had not made as quick a comeback. Although trade on the West Coast was picking up somewhat, reliable sources on the East Coast said they were not expecting any sharp improvement for the balance of the year.

Cresol — Last week other producers were studying the recent shift made by one large producer from a freight equalized to a works basis. Just what these other producers would do was not known, but it was understood that they were giving the matter their attention.

The supply of this item was still short last week, and there were no indications that it would be any other way for some time to come. Demand for it was strong and showed all indications of continuing that way. Producers were doing all they could to make as much of this item as possible and to deliver it in the quantities desired and when it was wanted, but the conditions prevailing in the market often made this a very difficult thing to do.

Cresylic Acid—This was another item on which one producer recently went over from a freight equalized to a works basis. Other sellers were looking into the matter but offered no word on what their actions might be. There had in recent weeks

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
154.6	154.6	154.6	134.8

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended August 21 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,133,920
Ammonia sulphate	lbs.	30,686,777
Benzol	gals.	3,879,634
Coaltar	gals.	14,392,192
Creosote oil	gals.	799,955
Naphthalene, crude	lbs.	1,902,272
Phenol	lbs.	225,269
Toluol	gals.	775,926
Xylol	gals.	175,209

For Late Market Developments, See Page 4

refined grades include:

Pyridine
Alpha Picoline
Mixed Picolines
2,4 Lutidine
Mixed Toluidines
Quinoline
Isoquinoline
Quinaldines

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been some talk in the trade about possible price increases for this material. Since one supplier went over to a works basis, it was thought that that action might postpone any upward price revisions in the near future from that quarter.

The demand for cresylic acid was still just as high as it had been and there were no indications that it would taper off any time in the immediate future. Supply was still short of the demand, and this in spite of the fact that producers were keeping their production facilities up to a high level and that there were reasonably steady arrivals of the item coming into the country from abroad. Producers did not have much hope that this material would ease as to supply at any time in the immediate future. Last week 191 drums of the material arrived in New York from Liverpool.

Naphthalene—Talk still persisted in the industry last week that the refined material might go up in price, and those close to the market were pointing to September 1 as the probable date. Nothing definite could be learned, but it was considered a fairly good bet that such an advance might occur, unless something unforseen should happen to prevent it.

As far as supply and demand were concerned, there were no particular changes noted for this material during the past week. The refined material, although a bit easier as to supply than it had been, was still by no means free. Demand for it was still strong. The crude was also strongly in demand, with no abundance of material on the market. Last week 4,794 bags came into New York from Antwerp.

Phenol—This item was coming in for a good deal of attention during the past week. One major producer had already announced that as of September 1 there would be price increases for the USP. Another producer had included phenol in a number of products on which it went over from a freight equalized to a works basis. In other quarters it was reported that revisions in the price were being considered, altnough as of late last week there was still no definite word on the matter.

The cost of basic raw materials had gone up, and producers were faced with the necessity of giving their price schedules serious study. The producer who had already announced that price schedules would go up on the first of the month was putting them up ½c. a pound for tankcar quantities and 1c. for lesser quantities.

Demand for phenol was still strong and there were indications that it would continue that way. There had been reports that the plastics industry was taking less of the material in recent weeks, but this was of no great help to the overall supply situation. Supplies were still tight and although makers were doing all they could to keep production up to a high point, the item was still difficult as to supply.

Pyridin—One producer of the refined material had already announced a switch-over from a freight equalized to a works basis. No word was yet available on what other sections of the industry were going to do with regard to the matter, but it was known that some of them were giving the problem their serious consideration and announcements as to what they might do were being awaited. The refined material continued to be in a strong demand during the past week and showed all indications of continuing that way for some time to come. The supply situation, however, left something to be desired and the material was reportedly not so free as both producers and consumers hoped it would be. The other grades were certainly not entirely free as to supply, but they were in a somewhat better position than the refined. Demand for them was firm and showed no indications of tapering off to any appreciable extent.

Solvent Naphtha—The protective coatings industry had in recent weeks been doing some heavy buying, but still not of proportions great enough to upset the market. The crude was still reported to be in a tight position as to supply during the past week, and demand for it remained heavy. There was a little less pressure for the refined grades but the supply was still reported to be tight.

Toluol — The change-over from a freight equalized to a works basis was still major news in the market for this material during the past week. A number of producers had already gone over to a new basis but others still had the

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matter under consideration. There was still no abundance of supplies last week. Demand continued to be heavy and producers were doing all they could to meet it. It was reported that established customers were being taken care of although others could expect some difficulties in having their needs satisfied immediately.

Xylol—There were still shortages in the supply of this material. Producers were doing all they could to put as much of the material as possible on the market, but in face of the heavy demand there were likely to be shortages in spots. A number of producers had already switched their prices from a freight equalized to a works basis and others had the matter under consideration. Announcements of further changes were expected from time to time.

Intermediates

Anilin Oil—This material was in a free position as to supply during the past week, and the demand for it continued at a steady pace, with the result that the market for it was about balanced comfortably. There were no changes reported in the following previously listed price quotations:— carload, 15c.; less carload, 16c. and tanks, 14c. Suppliers gave no indications that any changes were expected during the immediate future.

Anilin Salt—The price of this item held firm at 26c. a pound last week and there were no immediate changes reported to be in prospect. Producers reported that the supply of the material was being kept at sufficiently high levels for them to keep abreast of the market, and there were reportedly no real difficulties being experienced by buyers in obtaining normal amounts of the material.

Anthraquinone—Supplies of this product continued to be tight during the past week, and the demand for it continued to be as strong as ever. There were no changes reported in the price of 80c. for the 99.5%, however, and none were immediately anticipated.

Betanaphthol—The technical, in the opinion of some producers, was the tightest item on the market. It had been extremely tight for some time and there seemed to be no immediate indications of its loosening up. Other producers were planning to come into the market in several months, and although this added production was expected to help the market situation to a certain degree, it still remained to be seen how much they could produce and what effect they would have on the overall situation. There were no changes in the price quotations last week and none were expected in the immediate future, at least. In carload lots the material was going for 30c. and in less than carloads at 32c.

Dinitrochlorobenzene—The supply of this material was in a reasonably easy condition last week, as it had been for some time as a result of the falling off of the Far East market for sulphur dyes. Since that market dropped some time ago, the supply of dinitrochlorobenzene, necessary in the manufacture of the dyes which were widely used in that part of the world, had become much easier and was expected to stay in a free position until such time as the former market picked up or other demands came along to absorb more of the material. Last week the price range of the item remained unchanged at 14c. to 17c. and there were no indications that any changes were in prospect for the immediate future.

Metanitroparatoluidin — The demand for this item continued steadily last week and was of heavy proportions. Supplies were reported to be very tight and there were no immediate indications of their easing. However, these conditions seemed to have no particular effect on the price range, for quotations remained firm and unchanged at the previously listed range of $1.28 to $1.33 a pound, and there were no suggestions that any immediate changes were contemplated.

Nitrobenzene—This material was in a reasonably good position last week as far as supply and demand were concerned. Producers reported that they had the supply of the item just about balanced with the demand, with the result that there were no serious shortages being felt, as there were with some of the other intermediates. Prices remained unchanged and showed no immediate prospects of undergoing any revisions. The double distilled, in carload lots, was listed at 9c. to 9½c. Less than carload lots was listed at 10c. to 11c. and the price for tanks was 8c to 8½c.

Phthalic Anhydride—This item still

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showed a fairly wide range in price last week. One producer had already announced price increases but others were still holding to former quotations. It was understood in some quarters, however, that increases were being considered although there was still no definite word on the matter. It was thought that September 1 might bring more specific information. Supplies, meanwhile, continued tight in face of a very heavy demand.

Mildew-Resistant Leather Dressing Formulated

A Federal specification has been proposed by the National Bureau of Standards for a dressing intended to prevent the growth of mildew on leather. Paranitrophenol is the proposed type I fungicide; the active ingredient in type II is optional.

The major components in the type I specification are:—

	Percent Min.	Max.
Paranitrophenol	1.9	2.1
Animal oil	9.8	10.2
Hydrocarbon oil	9.8	10.2
Perchloroethylene	66.0	70.0
Cyclohexanone	9.8	10.2

Because of the recognized toxicity of paranitrophenol, the bureau advises that the formulation should be carefully controlled. The dressing is not intended for application to leather articles where long, intimate contact is made with the skin in connection with their use.

Coal and Coke Freight Rates Increase Requested

Increases in freight rates on coal, coke and iron ore were recommended to the Interstate Commerce Commission August 27 by the nation's railroads. The petition of the carriers said that the present level of rates on these products are insufficient to produce the revenue which the roads must have in order to continue providing the public with adequate and sufficient transportation.

The proposal would increase the rates on coal and coke throughout the country by 25 cents per net ton or 28 cents per gross ton and on iron ore by 20 cents per net or gross ton in the east and south.

Koppers Establishes New Chemical Unit

The engineering and construction division of Koppers Company, Inc., Pittsburgh, has set up a new chemical section to supervise and coordinate engineering and construction work on contracts secured for the erection of plants to produce oxygen, synthetic fuels, and certain types of chemicals, it was announced yesterday by Joseph Becker, vice-president. Heading up the new section will be T. M. Osborne, who has been project manager on Koppers' contract to build a $4,500,000 synthetic liquid fuels plant for the government at Louisiana, Mo.

Mr. Becker said that the new section will have general responsibility for all contracts to build oxygen plants and synthetic liquid fuels plants, as well as for contracts for chemical plants which are not directly associated with coke oven and steel plants. In addition to the plant being built at Louisiana, Mo., the Koppers engineering and construction division has virtually completed a tonnage oxygen plant at Johnstown, Pa.

Mr. Osborne came to Koppers a year ago as assistant manager of the division's control section. Previously he was a Brigadier General in the Army corps of engineers. His wartime assignments included general supervision of construction of many camps, airfields, and depots in this country, chief engineer at Teheran, Persia, and commanding general of the ninth port and south district, Persian Gulf command.

Metal Surfaces Antisepticized By Hydroxyquinolin Treatment

Antiseptic surfaces on metals, notably on aluminum, magnesium, zinc, and tin, are said to be produced by a new process developed by the Benzol Products Company, 237 South street, New York 5, N. J. The coating, it is claimed, remains antiseptic for several years.

The process, for which a patent application is pending, starts with the oxidizing of the metal surface either electrolytically or chemically. The coating is then applied by immersion in a solution of 8-hydroxyquinolin or one of its salts.

Shell Names Love Head Of Research in N. Y.

M. P. L. Love, director of research at Shell Oil Company's Wood River, Ill., refinery, has been named research department manager in the company's New York office. The appointment will become effective September 1. In his new capacity, Mr. Love will coordinate and direct all manufacturing-research programs in the company's East-of-Rockies territory.

Mr. Love joined Shell in 1935 as junior chemist at the Wood River refinery. After filling various research positions there and in the company's head office, he became chief research chemist at Shell's Houston laboratories in 1942, and research director in 1943. Later in 1943 he was appointed director of the Wood River research laboratories, a position he has held since. R. J. Greenshields, chief engineer at the Wood River laboratories, will succeed Mr. Love as research director there.

Trade Briefs

Creole Petroleum Corporation's crude oil output, plus royalty purchases, averaged 630,073 barrels daily in the first half of the year, a gain of 51,997 over the same period of 1947.

Persian government is to appoint three European oil experts to advise on Persian rights and on judicial, technical and economic problems concerning the British controlled Anglo-Iranian Oil Company.

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Drugs and Fine Chemicals

Several price movements in this market, mostly on the pharmaceutical side were noted last week, while the volume industrial chemicals held firmly to former price levels. Price changes dropped the index 0.5 point to 259.3. Podophyllin advanced 75 cents per pound in drum quantities due to the increased labor cost of getting the crude mandrake root gathered. Iron-ammonium, iron-potassium, and iron-sodium oxalates advanced 2 cents per pound across the board, together with the other alkali metal oxalates. This was the first price movement on these oxalates in many years and was a reflection of the long accumulated increased costs on raw materials, manufacturing, labor and freight rates, but did not cover the increases entirely.

Cocoa butter was in free supply, and prompt shipments were being made at a level 7½ cents below former quotations for carlot quantities. Menthol, meanwhile, dropped 20 cents per pound for small lot spot material. Some Japanese material was coming on the market at the end of this month. Corn syrup dropped 35 cents per hundred pounds in a market in which supplies were liberal and were likely to remain so in view of the current bumper corn crop.

Amino acids were, for the most part, moving in relatively good volume under a firm price structure. Acetanilide continued slow and aspirin was generally quiet but steady. Alcohol was still appreciably off in sales volume even though prices had been recently dropped out of proportion with the slightly reduced raw material costs in an acute competitive situation. Quotations established at the middle of the month lacked open change, but some shading of these prices in certain quarters was reported. Ester and alcohol solvents were generally in an excellent supply position, and the ketones continued much improved with most of them freely available.

Ephedrine sulphate, meanwhile was reported in an improved supply position compared to recent weeks. Additional plants for the large volume production from petroleum by the reactions of ethylene were announced for ethyl alcohol and ethyl chloride. Formaldehyde continued plentiful, and glycerine was in close balance with demand. Sulpha drugs and penicillin compounds were readily available.

Acetanilide—This item continued to move slowly on a dull market with production levels running at a low rate. Tariff Commission reports indicated June output at 142,166 pounds of technical and USP grades combined, compared with 170,791 pounds in May. Prices were unchanged from quotations over recent weeks, which continued to show a 10c. per pound spread between different producers.

Acetone—Despite a strike in the plants of one producer, this solvent was in a reasonably good supply position under a firm price structure of 8½c. per pound in tankcars. June production was reported at 41,097,468 pounds, compared with 42,127,687 pounds during the preceding month.

Acid, Acetylsalicylic—This material was reported to be maintaing its slow but steady market position, characteristic of the market over recent months. The supply situation was ample and expected to remain so. Prices were firm and unchanged. Production during June was reported by the Tariff Commission as 648,656 pounds, compared with 559,376 pounds in May.

Acid, Ascorbic—This vitamin C material and its salts were reported by the Tariff Commission to have a total production in June of 84,728 pounds, compared with production in May of 74,297 pounds. The market was generally weak characteristic of the Summer months, and supplies were reported as ample.

l-Acid, Glutamic—This amino acid was moving steadily in large volume in a market in which supplies were reported as adequate to meet the normal consuming demand. Prices were firm at levels ranging from $2.30 to $2.40 per pound in 100 pound drum quantities, for the 99 percent grade. Smaller quantities on the order of 25 pound shipments could be had for $2.45 per pound.

Alcohol—This market remained generally slow last week, as it has been in recent weeks. The lessened demand which was general rather than limited to any particular outlet was sufficient in recent weeks to create an acute competitive situation in which producers reduced the price of alcohol substantially at the middle of August as previously reported. This reduction was out of proportion to slightly reduced raw material costs. While price quotations were holding to the levels currently listed, there were reports of price shading in some quarters on large volume orders.

It was announced last week that another producer of synthetic alcohol from petroleum had completed a plant for the manufacture of this item. The new synthetic production will be offered for industrial applications, in the standard specially denatured grades approved by government authorities, and as a proprietary solvent.

2-Amino-2-methyl-1-propanol — The price structure of this item remained unchanged from levels prevailing over recent months, but the supply situation had become relatively acute by virtue of a continued strike in the plant of a major producer.

Amyl Acetate—The supply situation on both the normal material and the isoamyl product was reported as adequate under a firm price structure. Total production of these two items was unreported by the Tariff Commission for June, but the May production figure stood at 1,003,589 pounds.

Barbiturates—These materials were in ample supply, moving steadily in a moderately quiet market. Prices were unchanged from levels maintained over recent month. Production of ethylphenol-barbituric acid and its salts was reported by the Tariff Commission as totaling 15,553 pounds in June, compare with 18,437 pounds in May.

Butyl Alcohol—Production of the normal butanol was reported for June by the Tariff Commission as 8,337,429 pounds, a considerable drop from the 10,103,815 pounds produced in May. Supplies were currently adequate and prices were holding firmly to previous levels.

Castor Oil—There was nothing new to report in the castor oil market last week as the same quiet conditions prevailed as in recent weeks. September shipments of beans were quoted in the range of $130 per long ton, and trading was limited.

Arrivals of beans last week totaled 9,229 bags, equivalent to 1,384,350 pounds, compared with 19,873 bags or 2,978,950 pounds the previous week and 4,534 bags equivalent to 680,100 pounds during the corresponding week a year ago.

Total arrivals since January 1 of this year amounted to 846,026 bags equivalent to 127,001,900 pounds, compared with 949,551 bags or 142,432,650 pounds during the corresponding period of last year.

Cocoa Butter—This material was in free supply on the current market. Prices were reduced some 7½c. per pound on carlot quantities to a level of 94½c. per pound.

Corn Syrup—The price of this material dropped 35c. per 100 pounds last week. Supplies were reported very liberal as a result of bumper corn crop which was sufficient to guarantee a continued good supply of this item. There was a feeling expressed in most quarters that the price would probably be further reduced before the end of the year.

Di-isobutyl ketone—This solvent having wide application in nitrocellulose and vinyl coatings was reduced in price recently by virtue of expanded production. The new price level was 12½ cents per pound in tankcars, 14 cents in drum carlots, and 14½ cents in less than carlot quantities.

Ephedrine Sulphate — This material which in recent weeks has been reported as in a somewhat tighter market position due to pressure of demand for manufacturing pharmaceutical products in anticipation of heavy Winter consumption, was last week reported to be in a somewhat

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Iron-ammonium, oxalate, 2c. per lb.
Iron-potassium, oxalate, 2c. per lb.
Iron-sodium, oxalate, 2c. per lb.
Podophyllin, 75c. per lb.

Prices Reduced

Cocoa buter, 7½c. per lb.
Corn syrup, 35c. per 100 lbs.
Menthol, natural, 20c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
259.3	259.8	260.4	252.1

(For Current Prices see Page 9)

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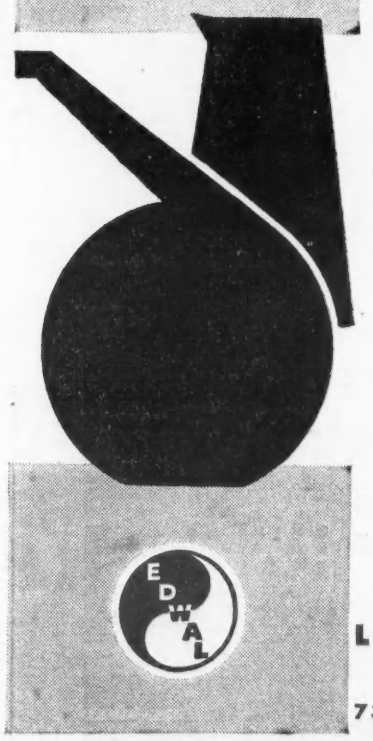

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easier supply position. Prices were unchanged, and expected to hold firm.

Ergosterol—This vitamin D_2 material was currently in a moderately good supply position. Production of the irradiated product was reported by the Tariff Commission as amounting to 1,295,699 million USP units in June, compared to the 873,213 million units produced in May. Prices seemed well established and were expected to maintain current levels.

Ethyl Acetate—This solvent marketed in various degrees of purity was holding firm to recent price schedules for each grade. Supplies of this ester were ample to meet all calls, and business in recent months had been reported as slow, but the demand was expected to pick up significantly in the Fall months. Production of the 85 percent grade was reported by the Tariff Commission as amounting to 5,762,529 pounds in June, on a virtual par with the 5,787,618 pounds turned out in May.

Ethyl Chloride—This item was due for a marked change in the supply situation in the immediate future. A new producer of the material from petroleum announced that in about four weeks large quantity shipments could be delivered from its new plant which makes the product from ethylene. With the increased industrial availability, a wider use in organic syntheses was expected.

Ethyleneglycol—This chemical was still critical last week in a market that has been tight for a long time. The heavy demand for antifreeze purposes was taxing the total production capacity of the country, despite the large quantities being turned out in new production facilities. After the antifreeze canning period is over, there was expected to be some easing in the supply situation. Prices were firm, unchanged from recent weeks. The Tariff Commission reported total June production as 30,741,787 pounds, compared with May production of 32,144,429 pounds.

Ethyl Ether — There was no feature changing the market situation prevailing in this item. Total combined production of technical and USP grades of ethyl

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ether was reported by the Tariff Commission for the month of June as 2,979,121 pounds, a drop from the 3,218,547 pounds produced in May. Prices were firm.

Formaldehyde — On a 37 percent by weight basis, the Tariff Commission reported June production of this item as totaling 50,541,825 pounds, off some 10 percent from the May production of 55,030,129 pounds. Supplies of this material were ample to meet the needs of the various consuming industries, particularly resin manufacturing. This was a comfortable situation compared to a year ago when the shortage of formaldehyde was a severe bottleneck in the manufacture of formaldehyde condensation resins. The big contributing factor to the current good supply was not so much the somewhat lower demand, but rather the marked increase in the production capacity for the manufacture of methanol from which formaldehyde is made. Prices were firm and not expected to show any change in the immediate future.

Glycerin—The market situation on this item remained essentially unchanged. The scarcity of crude continued, as refiners were operating on a narrow margin of inventories. Prices were holding firmly to former levels, while demand and supply held to a close balance. Crude glycerin production dropped to 9,519,000 pounds in June from the May level of 16,915,000 pounds, with the refined grades correspondingly off.

l-Histidine Hydrochloride—This amino acid was in adequate supply to meet all normal consuming demands. It was reported to be moving in good volume. Prices were currently quoted at $120 per kilo in lots of 50 or more kilos, ranging upward as to quantity to a level of $130 per kilo in lots of 1 to 5 kilos.

Iron-ammonium Oxalate—This chemical moved upward in price last week for the first time in many years. The extent of the change amounted to 2c. per pound bringing quotations on 250 pound drum shipments to 25½c. per pound, with smaller lots ranging up to 28½c. for the 50 pound drum. These quotations apply to the fine granular material, with the powder carrying a standard 6c. premium.

Iron-potassium Oxalate—This material was advanced 2c. per pound across the board last week, reflecting the accumulated advancing raw material, labor, manufacturing, and freight costs that have occured over recent years. Such increased costs had accumulated to a point were at former prices the product was no longer profitable, and the current upward adjustment was somewhat short of sufficient to overcome the increased costs. Current quotations on 250 pound drums were now 30½c. per pound.

Iron-sodium Oxalate — This item advanced last week to 25½c. per pound in 250 pound drums, a rise of 2c. per pound which reflected but was not sufficient to cover all the accumulated increased raw material, labor, manufacturing, and freight costs since the last price movement several years ago.

Isopropylamine—Most of the available material was quoted at 37c. per pound in a market where supplies were short and made more critical by a long continued strike in the plant of a major producer.

Menthol—The market on this item was one in which trading was restricted primarily to immediate requirements. Prices dropped further on the natural material with Brazilian menthol being quoted on the spot New York market at $9.10 to

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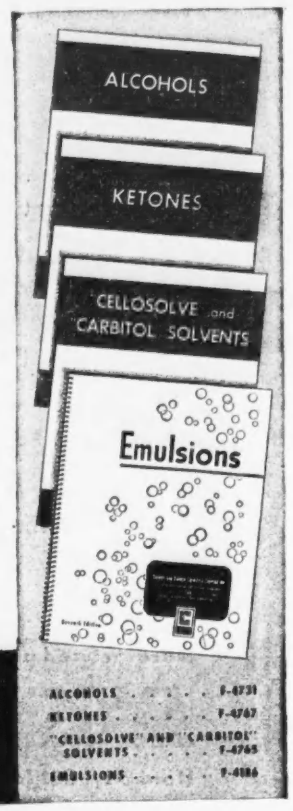

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$9.25 per pound. There was some Japanese material coming in at the end of the month and this was being quoted roughly in the range of $9 to $9.25 with the price picture less definite than on the Brazilian item due primarily to the limited quantities involved.

Methanol—This market was holding stable with price schedules unchanged from former levels, and the supply situation under heavy pressure of demand but still adequate. Production statistics released by the Tariff Commission showed June production of the natural product at 1,335,078 pounds comparable to the May output, but with the synthetic production down somewhat to 89,201,650 pounds compared with the May output of 91,578,301 pounds.

dl-Methionine—This amino acid was finding a good demand situation, particularly in export markets, which brought the total volume of business to a good level. Most of the material was going to Europe, it was reported, with considerable quantities being shipped to South America, and an increasing demand for the material being made in the domestic market. Increased production of the item by prime producers made the supply situation ample to take care of the consuming demand. Prices were currently quoted at $8 per pound in lots of 50 pounds or more and $10 per pound in lesser quantities. These quotations were f.o.b. at the manufacturing plant, packaged in fiber drums.

Methylethyl Ketone — Production capacity of this material was considerably increased by a new plant which got into production in July. Since then the pressure has been taken off the market making the product freely available from an overall point of view. Prices meanwhile were unchanged, and no change in the immediate future could be forseen.

Milk Powder—The market situation on milk powders was one in which trading was irregular and essentially limited to immediate requirements. Prices remained unchanged from levels quoted during recent weeks.

Niacin and Niacinamide—The combined production of these materials was unreported for June, but May production stood at 59,467 pounds. Prices were reported as stable, and the volume of business during the Summer months was seasonally off.

Penicillin and Salts—The production of these items was going forward at a good rate sufficient to keep up with the consuming demand. The Tariff Commission reported June production at 8,080,588 million Oxford units, only slightly under the 8,505,435 million Oxford units pro-

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duced in May. Prices, meanwhile, were firm.

Podophyllin—Price schedules on this material were advanced last week by some 75 cents per pound for drum quantities, bringing the quotations on available material to $14.25 per pound. The market position of this item was relatively tight and the advancing price was due to the greater costs of mandrake root from which it is made. The current market position stemmed primarily from the difficulty in getting sufficient workers to gather the crude mandrake, even at the higher premium levels being paid for such work. The increased labor costs at this point, of course had to be ultimately reflected in the cost of the finished product.

Pyridoxine—This vitamin B_6 component was produced in June in the amount of 1,211 pounds, an increase over the 974 pounds produced in May, according to a Tariff Commission release.

Streptomycin—Production of this material in June amounted to 2,935,993 grams, compared to the May output of 2,186,450 grams. Prices were firm and unchanged from levels established at the first of July. Supplies from an overall point of view were still short and insufficient to sustain the strong domestic and export demand.

Sulpha Drugs—Tariff Commission reports listed the total output of sulpha drugs at 115,117 pounds during June. The supply position of these items were generally good, with orders being promptly met from ample inventories.

Thiamine Chloride—This vitamin B material was moving in good volume under a steady price position. Production in June amounted to 17,078 pounds, compared with the May output of 14,196 pounds, the Tariff Commission reported.

dl-Tryptophane—This amino acid was moving in good volume under a firm price position of $240 per kilo in 25 kilo lots, and ranging up to $275 for 1 kilo shipments. Demand was said to be steady and maintaining a good level.

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Suggested Uses: As an emulsifier in the manufacture of cosmetics, pharmaceuticals and food stuffs (including paste emulsions of edible oils, shortenings, etc.) . . . as a protective coating for Edible Hygroscopic Powders and similar crystals and tablets (and even fresh fruit and vegetables) . . . as a pour point depressant for lubricating oils . . . as a lubricant for paper and cardboard in dry die-forming . . . as an emulsifying agent in the polymerization of synthetic rubber . . . as a protective anti-oxidant coating for metals . . . as a preliminary binder for clays, abrasives, etc. . . . as a general emulsifying or thickening agent . . . as a suspending agent for organic or inorganic materials in aqueous solutions.

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AUG 30 1948 XUM

Imports at United States Ports

New York Imports

AGAR—45 bls, Irving Trust Co, President Harding, Hongkong
22 bls, Fallek Trading Co, President Harding, Hongkong
27 cyls, Sandoz Chemical Works, Coral Sea, Antwerp
14 dms, Irving Trust Co, American Clipper, Manchester
45 cyls, Sandoz Chemical Works, America, Le Havre
13 dms, Carbic Color & Chemical Co, America, Le Havre

ANISE, STAR—100 bgs, Peek & Velsor Co, Pioneer Bay, Hongkong

ANTIPYRENE—240 cks, Sterone Corp, La Salle, Antwerp

ARGOLS—3,000 bgs, Netherlands Victory, Brindisi

ARROWROOT—1,000 bgs, Morningstar, Nicol, Inc, Alcoa Patriot, St Vincent

ASBESTOS FIBER—9,700 bgs, Union Asbestos & Rubber Co, African Lightning, Lourenco Marques

BALSAM TOLU—200 cs, Cape Cumberland, Barranquilla

BAUXITE ORE—3,261 tons, Alcoa Mining Co, Alcoa Patriot, Paramaribo

BAY RUM—200 dms, Hudson Tea & Spice Co, Alcoa Patriot, St Thomas

BEESWAX—8 bgs, Porcella, Vicini & Co, Nuevo Dominicano, Puerto Plata
57 bgs, Marine Midland Trust Co, Jamaica, Puerto Barrios
35 bgs, Guaranty Trust Co, Agwilking, Havana
30 bgs, Will & Baumer Candle Co, Agwilking, Havana
80 bgs, Samuel Zeitlins Sons Co, Horda, Sonora
40 bgs, Lesque Trading Co, Coracero, Recife
20 bgs, Wessel Duval & Co, Tigre, Lobito
80 blocks, Arnold Dorr & Co, Tigre, Luanda
185 blocks, F H Paul & Stein & Co, Tigre, Luanda

BERGAMOT OIL—130 cs, Netherlands Victory, Messina
6 cs, Felton Chemical Co, Netherlands Victory, Messina

CAFFEINE—20 bbls, Lo Curto & Funk Co, Herdis, Sonora

CAMPHOR OIL—30 dms, Magnus, Mayhew & Reynard Co, Pioneer Bay, Yokohama

CARAWAYSEED—402 bgs, C M Van Sillevoldt Co, Gunvor Maersk, Rotterdam
150 bgs, E J Spitz & Co, Gundrun Maersk, Rotterdam
309 bgs, C M Van Sillevoldt & Co, Coral Sea, Rotterdam
100 bgs, Louis Furth & Co, Coral Sea, Rotterdam
100 bgs, Archibald & Kendall, Coral Sea, Rotterdam

CARNAUBA WAX—951 bgs, Wessel, Duval & Co, Bowmonte, Parnahyba
503 bgs, Stein Hall & Co, Bowmonte, Parnahyba
125 bgs, Columbus Commercial Co, Bowmonte, Parnahyba
63 bgs, Innis, Speiden Corp, Bowmonte, Parnahyba
123 bgs, Wax & Rosin Products Corp, Bowmonte, Parnahyba
124 bgs, Strahl & Pitsch Co, Bowmonte, Parnahyba
125 bgs, F B Ross & Co, Bowmonte, Parnahyba
63 bgs, Strohmeyer & Arpe, Bowmonte, Parnahyba
25 bgs, Rohner & Gehrig Co, Bowmonte, Parnahyba

CASEIN—1,000 bgs, National City Bank of N Y, Vianna, Buenos Aires
1,250 bgs, Hercules Powder Co, Bowmonte, Buenos Aires
900 bgs, National City Bank of N Y, Bowmonte, Buenos Aires
2,400 bgs, American British Chemical Supplies Corp, Brazil, Buenos Aires
1,000 bgs, P A Dunkel & Co, Herdis, Buenos Aires
350 bgs, National City Bank of N Y, Coracero, Buenos Aires
140 bgs, Coracero, Buenos Aires

CASHEWNUT OIL—56 dms, Irvington Varnish & Insulator Co, Telemachus, Cochin

CASSIA—24 seroons, Porcella, Vicini & Co, Nuevo Dominicano, Puerto Plata
100 bls, Knickerbocker Mills Corp, President Harding, Hongkong
50 bls, Intercontio Rotterdam, President Harding, Hongkong

CASTORBEANS—293 bgs, Chase National Bank, Notos, Port Au Prince
350 bgs, Spencer Kellogg & Co, Notos, Port Au Prince
8,467 bgs, Baker Castor Oil Co, Coracero, Recife

CAUSTIC SODA—1,022 tons, American Importer, Le Havre

CHAULMOOGRA OIL—6 dms, S B Penick & Co, Telemachus, Cochin

CHROME ORE—1,117 tons, Grigorios, Iskenderun
2,324 tons, E J Lavino & Co, African Lightning, Lourenco Marques

CINNAMON QUILLS—300 bls, Volkart Bros, Co, Cape Elizabeth, Galle

CITRONELLA OIL—36 dms, Norda Essential Oil & Chemical Co, Silvercak, Singapore
27 dms, Fruit Dispatch Co, Horseshoe Splice, Tela
7 cks, Guaranty Trust Co, Jamaica, Puerto Barrios
37 cks, New York Trust Co, Jamaica, Puerto Barrios
7 dms, H A Southern & Co, Jamaica, Puerto Barrios
16 cks, Telemachus, Tandjong Priok
3 dms, Meyer Brown Co, Telemachus, Tandjong Priok
18 dms, Norda Essential Oils & Chemicals Co, Telemachus, Tandjong Priok

COBALT, CRUDE—145 ingots, African Metals Corp, Vinkt, Lobito

COCONUT OIL—34 tons, R J Roesling & Co, Dona Aurora, Cebu
332 dms, Irving R Moody & Co, President Harding, Hongkong

CODLIVER OIL—250 dms, Martin Dennis Co, Fort Amherst, St Johns
100 bbls, Scandinavian Oil Co, Fort Amherst, St Johns

COLUMBITE ORE—1,256 bgs, E J Lavino & Co, Freetown, Lagos

COPAL CUPI—400 bgs, H P Winter & Co, Vinkt, Matadi
75 bgs, H Z Bernstein Corp, Vinkt, Matadi
200 bgs, S Winterbourne & Co, Vinkt, Matadi
500 bgs, Gillespie-Rogers-Pyatt Co, Vinkt, Matadi
500 bgs, O G Innes Corp, Vinkt, Matadi
60 bgs, American Cyanamid Co, Vinkt, Matadi
63 bgs, France, Campbell & Darling Co, President Harding, Manila
47 bckts, W H Scheel, Inc, Telemachus, Macassar
215 bgs, O G Innes Corp, African Pilgrim, Matadi
27 bgs, Colony Import & Export Co, Tigre, Takoradi
350 bgs, S Winterbourne Co, Tigre, Matadi
700 bgs, Gillespie, Rogers, Pyatt Corp, Tigre, Matadi

CRESYLIC ACID—150 dms, H A Hogarty & Co, Britannic, Liverpool
41 dms, Britannic, Liverpool
112 dms, Metal Traders, Inc, American Clipper, Manchester
75 dms, Mercantile Commercial Corp, American Clipper, Manchester
104 dms, American Clipper, Manchester
118 dms, Westinghouse International Elec Co, American Clipper, Manchester
50 dms, E De Witt Osbourne Corp, American Clipper, Manchester
100 dms, American Cyanamid Co, American Clipper, Liverpool
57 dms, Monsanto Chemical Co, American Clipper, Liverpool
25 dms, Schenectady Varnish Co, American Clipper, Liverpool
50 dms, Chase National Bank, American Clipper, Glasgow
250 dms, American Clipper, Glasgow

CYANIDE PRECIPITATE—16 cs, Irvington Smelting & Refining Works, Santa Isabel, Puna
9 cs, American Metal Co, Santa Isabel, Puna

DAMMAR GUM—210 bgs, Gillespie-Rogers-Pyatt Co, President Harding, Singapore
350 bgs, O G Innes Corp, Telemachus, Singapore
200 cs, Gillespie-Rogers-Pyatt Co, Telemachus, Singapore
200 bgs, France, Campbell & Darling Co, Melampus, Singapore
210 bgs, U S Industrial Chemical Co, Melampus, Singapore

DIANISIDINE—41 cks, Sterone Corp, La Salle, Antwerp

DRUGS—10 bls, S B Penick & Co, Grigorios, Naples

DYESTUFFS—42 dms, S A Delis Dyestuff Corp, John B Waterman, Hamburg
35 dms, Geigy & Co, Arkeldyk, Rotterdam
5 dms, American Clipper, Manchester

DYE, SYNTHETIC—3 cks, Wilson Export & Import Co, Arkeldyk, Rotterdam

ESSENTIAL OILS—3 dms, Gondrand Bros, Inc, America, Le Havre
4 cms, Bankers Trust Co, African Lightning, Durban

FUEL OIL—90,600 bbls, Esso Export Corp, Esso Aruba, Aruba
105,000 bbls, Esso Export Corp, J A Mowinckel, Aruba
90,090 bbls, Esso Export Corp, Esso Bolivar, Aruba
64,224 bbls, Asiatic Petroleum Corp, Christopher I, Sholes, Tampico
10,000 bbls, Asiatic Petroleum Corp, Santa Paula, Curacao

GLYCERIN, CRUDE—1 tankcar, Procter & Gamble, Seatrain New York, Havana

GUM CHICLE—200 bgs, Chicle Development Corp, Santa Sofia, Barranquilla

GYPSUM, CRUDE—3,875 tons, National Gypsum Co, Walton, Dingwall

IRISH MOSS—500 bls, H S Dorf & Co, Arkeldyk, Rotterdam

LEMONGRASS OIL—6 dms, Volkart Bros, Telemachus, Cochin

LEMON OIL—10 cs, Manufacturers Trust Co, Netherlands Victory, Messina

LIVER TANKAGE—1,363 bgs, Tupman-Thurlow Corp, Vianna, Buenos Aires
420 bgs, Tupman-Thurlow Corp, Bowmonte, Buenos Aires
535 bgs, Tupman-Thurlow Corp, Horda, Rio de Janeiro

LOCUST BEAN GUM—500 bgs, Stein, Hall & Co, La Salle, Rotterdam
200 bgs, Stein Hall & Co, Grigorios, Piraeus

MACE—12 cs, Middleton & Co, Alcoa Patriot, Grenada
6 cs, Middleton & Co, Alcoa Patriot, St Vincent
2 cs, Alcoa Patriot, St Vincent
14 cs, Catz American Co, Telemachus, Macassar

MAGNESIA, CARBONATE—25 cs, Lo Curto & Funk Co, Britannic, Liverpool

MANGANESE ORE—6,452,400 lbs, Bethlehem Steel Co, Vergelegen, Durban
6,000 tons, E J Lavino & Co, African Pilgrim, Takoradi
3,950 tons, E J Lavino & Co, Tigre, Takoradi

MANGROVE EXTRACT—1,800 bgs, Saxe Cutch Corp, Telemachus, Singapore
1,340 bgs, Saxe Cutch Corp, Melampus, Singapore

MENTHOL—30 cs, Consumers Import Co, President Harding, Hongkong
15 cs, Biddle, Sawyer & Co, President Harding, Hongkong
50 cs, P A Dunkel & Co, Bowmonte, Santos
150 cs, Vick Chemical Co, Pioneer Bay, Yokohama
30 cs, Mercantile Metal & Ore Co, Pioneer Bay, Yokohama

METACHLORANILIN—9 dms, Coral Sea, Antwerp

MICA—40 cs, Schwab Bros Corp, Dona Aurora, Hongkong
51 cs, Richman Supply Corp, Jalakendra, Calcutta
1,011 cs, Asheville, Schoonmaker Mica Co, Jalakendra, Calcutta
379 cs, Otto Gerdau Co, Jalakendra, Calcutta
93 cs, Cornelius & Suhr Co, Jalakendra, Calcutta
94 cs, The Minerals Insulation Co, Jalakendra, Calcutta
630 cs, Gillespie-Rogers-Pyatt Co, Jalakendra, Calcutta
334 cs, Westinghouse Electric Co, Jalakendra, Calcutta
200 bgs, Whittaker, Clark & Daniels Corp, Jalakendra, Calcutta
835 bgs, English Mica Co, Jalakendra, Calcutta
250 cs, Asheville, Schoonmaker Mica Co, Jalakendra, Calcutta
344 cs, W Brand Co, Jalakendra, Calcutta
300 cs, Cornelius & Suhr Co, Jalakendra, Calcutta
100 cs, Gillespie-Rogers-Pyatt Co, American Clipper, Manchester
120 cs, Asheville Schoonmaker Mica Co, Bowmonte, Buenos Aires
172 cs, Otto Gerdau Corp, Bowmonte, Rio de Janeiro
119 cs, Colonial Trust Co, Bowmonte, Rio de Janeiro
57 cs, American Mica Co, Horda, Rio de Janeiro
29 cs, Gillespie-Rogers-Pyatt Co, African Lightning, Durban
500 bgs, Richmond Mica Co, African Lightning, Lourenco Marques
98 cs, Cosmopolitan Shipping Co, Herdis, Rio de Janeiro
6 cs, International Insulating Corp, Herdis, Rio de Janeiro
60 cs, La Alianza Corp, Coracero, Buenos Aires

MINERAL ORE—340 dms, African Metals Corp, Vinkt, Matadi

MOLASSES—457 tons, Standard Brands Corp, Santa Isabel, Salaverry

NAPHTHALENE—4,794 bgs, Elbert & Co, La Salle, Antwerp
4,812 bgs, Elbert & Co, Coral Sea, Antwerp
154 bgs, Fallek Products Corp, Coral Sea, Antwerp

NAPHTHENTIC ACID—1,122.48 bbls, Stanco, Inc, Esso Aruba, Aruba

NUTMEGS—400 bgs, Middleton & Co, Alcoa Patriot, Grenada
125 bgs, S L Jones Co, Alcoa Patriot, Grenada
50 cs, D Hecht & Co, Alcoa Patriot, Grenada
20 cs, Alcoa Patriot, St Vincent
33 bgs, Alcoa Patriot, St Vincent
60 bgs, Chas T Wilson Co, President Harding, Singapore
84 bgs, M Golodetz & Co, Westerdam, Rotterdam
80 bgs, Arthur G Dunn, Westerdam, Rotterdam
147 bgs, Brown Bros-Harriman Co, Telemachus, Macassar

ORANGE OIL—1 dm, Citrus & Allied Essential Oils Co, Nuevo Dominicano, Puerto Olata

ORTHOCRESOL—24 dms, Republic Chemical Co, American Clipper, Manchester

ORTHONITRANILIN—229 dms, Sterone Corp, La Salle, Antwerp

PALM OIL—997 tons, Balfour, Guthrie Co, Vinkt, Matadi

PATCHOULI LEAVES—3 bls, E Miltenberg Co, Melampus, Singapore

PATCHOULI OIL—3 cs, van Ameringen-Haebler, Inc, Silveroak, Penang
2 cs, Ungerer & Co, Silveroak, Penang
1 dm, Brown Bros-Harriman Co, President Harding, Singapore

PEPPER, BLACK—19 bgs, M Golodetz Co, Westerdam, Rotterdam
WHITE—71 bgs, H Marmorek & Sons, Arkeldyk, Rotterdam

PETITGRAIN OIL—5 cs, Fritzsche Bros, Herda, Buenos Aires
10 dms, Fritzsche Bros, Herda, Buenos Aires

PETROLEUM, CRUDE—125,183 bbls, Esso Standard Oil Co, Esso Scranton, Puerto La Cruz
124,992 bbls, Socony Vacuum Oil Corp, Kastern Wyng, Puerto La Cruz
125,990 bbls, Esso Standard Oil Co, Esso New Haven, Puerto La Cruz
110,699 bbls, Esso Standard Oil Co, Bents Fort, Cartagena
107,093 bbls, Cities Service Corp, Fort Meigs, Amuay

POTATO STARCH—200 bgs, Stein, Hall & Co, Arkeldyk, Rotterdam

POPPYSEED—100 bgs, Archibald & Kendall Corp, Coral Sea, Antwerp

PYRETHRUM FLOWERS—684 bls, S B Penick & Co, Vinkt, Matadi

QUEBRACHO EXTRACT—4,373 bgs, Bowmonte, Buenos Aires
10,995 bgs, River Plate Import & Export Corp, Rio Tercero, Buenos Aires

SAGE LEAVES—34 bls, K J Lister Co, Netherlands Victory, Trieste

SAGO FLOUR—500 bgs, Continental Trading Co, Silveroak, Sibu

SANDALWOOD OIL—6 cs, Guaranty Trust Co, Jalakendra, Madras

SAPHORA JAPONICA—100 bgs, R J Prentiss & Co, President Harding, Hongkong

SARSAPARILLA—2 bls, Gillespie Bros Co, Cape Cumberland, Kingston

SHARKLIVER OIL—50 dms, Hanson & Orth Corp, Agwidale, Havana
5 dms, Distillation Products Corp, Tigre, Luanda
3 dms, Distillation Products Corp, Cape Cumberland, Cristobal

SHELLAC—200 bgs, Gillespie-Rogers-Pyatt Co, Jalakendra, Calcutta
50 cs, Grigorios, Beirut
50 cs, New York Trust Co, Grigorios, Beirut
69 bgs, National City Bank, American Importer, Hamburg

STRAMONIUM LEAVES—13 bls, S B Penick & Co, Herdis, Buenos Aires

TAPIOCA FLOUR—1,000 bgs, J Henry Schroder Co, Bowmonte, Parnahyba

TEASEED OIL—109 dms, Welch, Holme & Clark, Inc, President Harding, Hongkong
96 dms, W R Grace & Co, Pioneer Bay, Shanghai

TEA WASTE—625 bls, Citro Chemical Co, Pioneer Bay, Shanghai

TETRAHYDROFURFURYL—2 dms, Britannic, Liverpool

TITANIUM DIOXIDE—100 bgs, Central Industries, Inc, Vergelegen, Cape Town

TURMERIC—140 bgs, Becker-Meyer Seed Co, Jalakendra, Madras

TUNG OIL—148 tons, Pacific Vegetable Oil Co, Dona Aurora, Hongkong
100 tons, Wah Chang Trading Co, Pioneer Bay, Hongkong
650 tons, Werner G Smith Corp, Pioneer Bay, Shanghai
300 tons, Balfour Guthrie Co, Pioneer Bay, Shanghai

UREA—1,412 bgs, L D Peters & Sons, Inc, Afoundria, Antwerp

VANILLA BEANS—22 cs, Royal Bank of Canada, Alcoa Patriot, Bridgetown
5 cs, Telemachus, Singapore

UREA—1,250 bgs, American Cyanamid Co, La Salle, Antwerp

WAX—60 bgs, Wax & Rosin Products Corp, John B Waterman, Bremen

WISPER GUM—32 cs, L A Dreyfus Co, Dona Aurora, Corinto

WOLFRAM ORE—5,000 bgs, Foreign Trade Zone, Pioneer Bay, Shanghai

YOHIMBI BARK—315 bls, F W Berk & Co, Freetown, Lagos

Baltimore Imports

MANGANESE ORE—900 tons, Central Hanover Bank & Trust Co, African Lightning, Durban

Philadelphia

CHROME ORE—900 tons, Base Metals Corp, Dona Aurora, Cebu

San Francisco

BONES, JUNK—100 tons, Swarthmore Victory, Taku Bar

CINNAMON, QUILL—25 bls, B C Ireland Co, Scott E Land, Colombo

CINNAMON QUILLS—10 bls, W R Grace & Co, China Mail, Colombo

CODLIVER OIL—132 dms, Arista Oil Products Corp, Golden Gate, Stockholm

COPAL GUM—128 bgs, H W Peabody & Co, General W H Gordon, Manila

COPRA—500 tons, Cargill Co, New Zealand Victory, Manila
500 tons, New Zealand Victory, Cebu
71 tons, Atkins, Kroll Co, New Zealand Victory, Guam
500 tons, El Dorado Oil Works, Vilja, Davao
500 tons, Pacific Vegetable Oil Works, Vilja, Davao
500 tons, Cargill, Inc, Vilja, Iloilo
500 tons, El Dorado Oil Works, China Bear, Castanas
1,200 tons, El Dorado Oil Works, China Bear, Zamboanga
300 tons, Cargill Co, China Mail, Cebu

FISHLIVER OIL—3 dms, International Fisheries Corp, General W H Gordon, Yokohama

NUTGALLS—420 bgs, Arnold & Co, Sea Serpent, Hongkong

PEPPER, BLACK—480 bgs, Wallace Bros & Co, Lake Nipigon

SESAME SEED—2,424 bgs, Bunge Corp, General W H Gordon, Hongkong

SHARK LIVERS—6 dms, E F Gregorie Co, Helen Hunt Jackson, Balboa

TANKAGE—509 bgs, International Packers Commercial Co, Hindanger, Rosario

TAPIOCA SEED—120 bgs, General W H Gordon, Hongkong

VANILLA BEANS—24 cs, Damman & Smetzer, Inc, Thor I, Tahiti
6 cs, William Diamond & Co, Thor I, Tahiti
10 cs, Zink & Co, Thor I, Tahiti
40 cs, French American Banking Co, Thor I, Tahiti
20 cs, George Lueders Co, Thor I, Tahiti

Chemicals '47 Exports And Imports Reported

Exports and imports of specified industrial chemicals during the year 1947 were reported last week by the bureau of the census of the Department of Commerce. The statistics, in pounds unless otherwise specified, were compared with similar data for 1946 as follows:—

Exports

	1947	1946
Acid, boric	19,429,874	14,432,994
hydrochloric	5,727,633	3,917,629
nitric	2,451,898	1,534,746
sulphuric	24,582,766	27,296,191
Aluminum sulphate	45,778,252	75,914,623
Ammonia, anhydrous	12,123,884	12,318,323
Bleaching powder	10,047,077	27,597,409
Calcium carbide	42,784,222	53,195,141
chloride	27,910,386	20,145,256
Chlorine	12,776,810	11,371,143
Potassium chromate and bichromate	2,258,369	3,503,652
hydroxide	18,625,658	17,374,558
Sodium bicarbonate	60,634,374	41,016,229
carbonate	244,316,033	134,032,143
chromate and bichromate	11,755,458	19,019,032
cyanide	1,378,685	1,525,627
hydrosulphate	12,003,023	5,846,599
hydroxide	276,803,616	123,602,123
phosphate	20,747,007	16,643,131
silicate	67,725,599	43,232,952
Sulphur, crude (long tons)	1,305,370	1,189,072
refined	113,068,285	127,115,599

Imports

	1947	1946
Acid, sulphuric	62,043,046	5,615,539
Ammonium carbonate and bicarbonate	16,500	34,399
chloride	82,775	734,224
Calcium carbide	543,513	3,891,179
Glauber's salt (tons)	81	1,478
Iodine, crude	2,250,506	89,533
Magnesium carbonate, precipitated	262,300	229,994
Phosphorus	614,510	109
Potassium bicarbonate	23,598	124,700
carbonate	10,595	1,478
chlorate	290,508	870,251
cyanide	42,084	
hydroxide	66,218	80,233
perchlorate	140,570	169,649
Sodium bicarbonate	80,542	1,733
carbonate	1,235,380	11,779,291
chlorate	259,436	5,745,118
cyanide	83,492,259	81,521,654
hydrate (sal soda)	1,532,440	1,004,823
hydroxide	1,490,239	618,073
silicate	294,280	246,773
silicofluoride	2,383,037	1,967,723
sulphate, crude (long tons)	43,980	39,041
Sulphur, any form, n.e.s	33,596	79,334

Greases Export License Requests Often Faulty

The office of International Trade is currently receiving an increasing number of applications for licenses to export lubricating oils and greases to destinations in Country Group R., which do not contain sufficient information to permit proper consideration of such applications.

Effective August 25, applicants for licenses to export lubricating oils and greases must give in answer to question 9(c) on Form IT 419 a complete description of the commodities listed on the application, including the Saybolt viscosity at 130 degree F. or 210 degree F., pour point and flash point and any other descriptive information which will enable OIT to make an exact identification of the commodity for which an export license is requested, and must state the quality (high, medium, or low) of the lubricating oil or grease.

Exporters are reminded that the stated end use is an important consideration in the licensing of such commodities for export. For this reason, all applications for licenses must contain detailed information regarding the proposed end use. The applicant should identify the end use by the particular industry or government activity (e.g., railroads, marine, motor transportation, and other public utility, etc.) and where possible, by specific function (e.g. aviation motors, motor cars, trucks etc.).

Trade Briefs

Norske Cellullfabrikken is erecting at Sarpbourg, Norway, a plant for the production of caustic soda to supply its requirements in the manufacture of rayon. The plant will have an annual capacity of 10,000 metric tons and is expected to be in operation early in 1949.

E. I. du Pont de Nemours & Co., Wilmington, Del., have five plants, employing a total of 10,450 persons, which have established records of working more than 10,000,000 man-hours each without a single lost-time accident as of the end of July, the company announced last Monday.

Gold Medallion Winner

Dr. Paul L. Day, of the University of Arkansas, whose pioneer research led to the discovery of vitamin M for the treatment of pernicious anemia, has won the 1948 midwest award of the St. Louis section of the American Chemical Society. Dr. Day, who is head of the biochemistry department in the University of Arkansas School of Medicine, will receive the gold medallion at a special ceremony in the Jefferson hotel on September 5, in connection with the opening of the midwest session of the 114th national meeting of the society.

Obituaries

—*Continued from page 4*

years old. Mr. Denike retired in 1941 as traffic manager for the concern, where he had worked for sixty-seven years.

Harold F. Hoskin

Harold F. Hoskin, who retired in 1946 after more than thirty-two years as sales representative in northern New Jersey for the L. Sonneborn Company, petroleum products, New York, died in Glen Ridge, N. J., on August 23. He was seventy-three years old.

Dr. Clell L. Metcalf

Dr. Clell L. Metcalf, head of the department of entomology at the University of Illinois, died August 21 in Urbana, Ill. He was sixty years old. Dr. Metcalf was assistant entomologist for the North Carolina Department of Agriculture from 1912 to 1914 and then taught at Ohio State University until 1921, when he became head of the entomology department at the University of Illinois. He was president of the Entomological Society of America in 1936.

Harry C. Wiess

Harry C. Wiess, chairman of the board of the Humble Oil & Refining Company, an affiliate of the Standard Oil Company (New Jersey), died in Houston, Tex., on August 25. He was sixty-one years old. Mr. Wiess, who had been associated with the company since it was formed in 1917, had been its president until last May.

Graduating from Princeton in 1909, Mr. Wiess took over the Paraffine Oil Company and the Reliance Oil Company which his father had organized in Beaumont, Tex. After helping form Humble in 1917, he became its executive vice-president in 1933 and president in 1940.

The manufacture of synthetic rubber from petroleum, the production of high octane gasoline for airplanes and the production of other critical products were fostered in the Humble organization by Mr. Wiess. The company played an important role in the output of synthetic toluene during the past war.

Julius Becker, chief engineer of the Semet-Solvay Engineering Corporation, New York, died in Elmhurst, Queens, on August 25. He was sixty-five years old. Mr. Becker had been with the company for thirty-eight years.

Harry J. Mantia, who retired in 1939 as vice-president of the Leghorn Trading Company, importer, exporter and manufacturers' agent, New York, died August 24. He was fifty years old.

Walter C. Nothel, in charge of the eastern sales district for Duke Laboratories, Inc., Stamford, Conn., died in Brooklyn, N. Y. on August 20. He was fifty years old.

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Pure Chemistry Prize Won by UCLA Teacher

A young chemistry professor from the University of California at Los Angeles will be honored by the nation's chemists and chemical engineers in St. Louis on September 6, when Dr. Saul Winstein receives the $1,000 American Chemical Society Award in Pure Chemistry at the midwest session of the society's 114th national meeting. The award is sponsored by Alpha Chi Sigma, national chemical fraternity.

Cited for fundamental research on displacement reactions, which has yielded knowledge of great importance to organic chemistry, particularly in the fields of carbohydrates and amino acids, the thirty-six-year-old educator will receive the prize at a general assembly of the society in the Opera House of the Municipal Auditorium.

Dr. Winstein's award address, on the topic "Neighboring Groups in Displacement, Addition and Rearrangement Reactions," will be delivered before the society's division of organic chimstry in the Opera House on September 7.

The 1948 winner, a native of Montreal, will be the second Canadian-born scientist honored during the society's national meeting. The other is Dr. Dilworth Wayne Woolley, thirty-four-year-old blind member of the Rockefeller Institute for Medical Research, New York, who will receive the $1,000 Eli Lilly & Co. award in biological chemistry at the eastern session of the conclave in Washington, D. C., on August 30.

The pure chemistry prize won by Dr. Winstein was established in 1931 to encourage fundamental studies by young chemists working in Norfth America. His work has dealt mainly with organic reaction mechanisms, and he has been the author or co-author of about fifty published articles.

Ecuador Quinine Exports Down in Jan.-Oct., 1947

During the first ten months of 1947 exports of quinine and its derivatives from Ecuador totaled 3,192 kilograms, valued at 1,422,156 sucres, compared with 4,354 kilograms, valued at 2,295,373 sucres in the similar period of 1946. The three leading purchasers by volume in the 1947 period under review were the United Kingdom, 1,266 kilograms, valued at 131,274 sucres; Italy, 550 kilograms, valued at 89,100 sucres, and Brazil, 380 kilograms, valued at 368,842 sucres.

Exports of other drugs, pharmaceuticals and chemical products from Ecuador in the first ten months of 1947 amounted to 84,974 kilograms, valued at 3,398,574 sucres, against 47,564 kilograms, valued at 2,024,699 sucres in the like period of 1946. Principal buyers in the 1947 period were Venezuela, 43,512 kilograms, valued at 1,811,091 sucres, and Colombia, 35,842 kilograms, valued at 1,357,183 sucres.

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OTS Offers Three German Drug Reports

Experiments with a new German drug, similar to adrenaline and benzedrine, and German pharmacological examination of strychnine derivatives are described in two reports now on sale by the Office of Technical Services. A third report on the active antibiotic effect of various fungi has also just been issued by OTS.

The report on the new German drug, called Pervitin, surveys experiments in Germany from 1938 to 1944. The author, Dr. Edmunt Tietzen, summarizes his experiences with the drug in animal tests, in treatment of persons suffering from post-operative collapse, used in combination with morphine, and administered to healthy persons.

Pharmacological examination of strychnine derivatives was undertaken to develop derivatives which retained the therapeutic advantages of the drug with lessened toxic properties, according to Dr. Hans-Joachim Teuber, in his report on that subject. Among the promising preparations tested isostrychnic acid no only showed decreased toxicity, but prolonged action. Kakothelin, obtained from brucine by means of a nitric acid treatment, while producing strychnine-like cramps, proved much less toxic than strychnine, and accelerated respiration in test animals.

The paper on "mycoines" which are described as "a new group of substances from fungi, effective in therapy" was prepared by Professor Andreas Lembke at the Institute of Virus Research and Experimental Medicine, Sielbeck. The first part of the study is generally descriptive, while the following part discusses research techniques, particularly the use of "auxanograms." The third and last part is a specific report on the use of mycoines to combat Bang's disease in cattle.

The reports are PB 88826, "Experiences with Pervitin," 25c.; PB 88832, "Useful Strychnine Derivatives and Their Therapy," 50c., and PB 88820, "Research on Mycoines," 75c.

They are available from the Office of Technical Services, Department of Commerce, Washington 25, D. C. Check or money order should be made payable to the Treasurer of the United States.

Southwestern Drug Elects Penland Board Chairman

G. H. Penland has been elected to the newly created position of chairman of the board of the Southwestern Drug Corporation, Dallas, Tex. Fred M. Truett, president, and all other officers were re-elected. Mr. Penland is a brother of the late J. M. Penland, who organized the firm in 1929.

American Home Products Names Griffith Traffic Head

George O. Griffith, general traffic manager of American Home Products Corporation, New York, has been named director of traffic. Mr. Griffith came to American Home in an advisory capacity on traffic matters in 1932 and has been general traffic manager since 1942.

He is a member of the board of directors of the National Industrial Traffic League, chairman of the committee on transportation of the Proprietary Association, member of the traffic committee of the Toilet Goods Association, and a member of the executive committee of the Drug and Toilet Preparation Traffic Conference, of which he was one of the founders.

Sulfa Drug Exports: 1947

United States exports of sulfa drugs, including derivatives, in 1947, as compared with exports for 1946, were reported last week by the bureau of the census of the Department of Commerce. Exports of the drugs, in pounds, dosage form, were reported as follows:—

	1947	1946
Sulfadiazine	625.271	881 755
Sulfaguanidine	176.930	210.270
Sulfanilamide	623.366	639.227
Sulfathiazole	1.638.069	2.117.624
Other sulfas	167.262	155.116
Total	3.230.898	4.004,002

Trade Briefs

Dr. James R. Angell, former president of Yale University, has been reelected president of the Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Me.

Centaur-Caldwell Company Division of Sterling Drug, Inc., New York, has put into operation its expanded laboratory facilities at the Monticello plant.

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Essential Oils, Other Aromatics

Prices in the essential oil and aromatic chemical market still yielded to the pressure of ample stocks and keen competition and during the past week the market index dropped 1.3 points to reach 114.2 as the result of lower quotations developing on Bourbon geranium and lavender flower oils. A year ago, the index was 154.6.

Although the price trend was still downward, the recent partial arrest of price declines was accentuated to some degree. Resistance of considerable strength had apparently been reached in numerous materials while, in others, values tended to point upward even though actual advances were not achieved. Export demand remained virtually non-existent, mainly because of currency difficulties but domestic sales were reported an improvement over those not so long ago.

Foreign correspondents revealed conditions that had moderately bullish connotations but eagerness abroad for dollar exchange continued to lead to a sacrifice of merchandise profit in the interest of accumulating dollars which foreigners need so urgently. The whole situation seemed fraught with dangers lurking in the possibility of sudden, rapid price advances at many points should normal consumer demand develop.

The situation in esential oils in this market changed little from that prevailing of late. A general trucking strike in New York has been threatened for September 1. If it takes place, it is not unlikely that transportation throughout this entire area will be tied-up. As a result, some dealers advised their customers to anticipate all needs now whenever possible.

In aromatic chemicals, the cost of coal-tar products have risen but competition kept derived products generally stable in price. Coumarin, vanillin, and ethyl vanillin were available in quantities. Also, ambrette musk, nerolin and yara yara that had been scarce were in good reserve. However, citronellol, eucalyptol, geraniol, geranyl acetate, and ionones were notable for easier prices under considerable competition.

Market Trends

Prices Advanced

None

Prices Reduced

Cajeput oil, technical, 15c. per lb.
redistilled, 10c. per lb.
Citronellol, 35c. per lb.
Eucalyptol, 5c. per lb.
Geraniol, 92-96%, 30c. per lb.
prime, 25c. per lb.
Geranium oil, Bourbon, 25c. per lb.
Geranyl acetate, 30c. per lb.
Ionone, beta, 40c. per lb.
methyl, A, $1.90 per lb.
Lavender flower oil, 38-42%, 50c. per lb.
Lignaloe oil, Mexican, wood, 25c. per lb.
Yara yara, 15c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
114.2	115.5	119.8	154.6

(For Current Prices see Page 9)

Essential Oils

Abies Sibirica — Otherwise known as Siberian pineneedle oil, some supplies of this article were reported as being low in grade and badly discolored, a fact that tended to give a false impression of the price position occupied by oil of normal specifications. It may also account for some reductions made lately in local quotations.

Angelica—The market was exceptionally steady in all quarters regardless of the fact that the current interest of manufacturing consumers was restricted to the purchase of relatively jobbing quantities of this oil. Pricewise, the market continued to be steady.

Bergamot—Reports from Italy indicate that the market for top quality oil sealed by the consortium was absolutely steady at the source. False labeling as a means of bypassing the consortium control have accompanied attempts to lower prices on shipment parcels. The local market was steady to firm in price, though consumer interest was still confined to relatively small lots that covered immediate requirements only of a not large number of buyers.

Birchtar—Though not very active, this article was still steady in price and the absence of more than moderate stocks offset in major fashion the lack of substantial requirements in this market.

Bois de Rose — The attempt of the Brazilian government to control prices has resulted in quotations at the origin being very steady at the origin. Distressed stocks of large size have kept prices depressed but at last spot prices have developed an upward tendency in accord with higher levels held by replacement merchandise. Ultimately, prices on derivatives may reflect the situation in this basic raw material.

Cajeput—The spot market became more competitive and minimum quotations on technical oil were $2 per pound at the close of last week. For refined oil, $2.50 per pound was also a lower price.

Camphor — Substitutes for sassafrassy oil were said to be finding a broader market now that it can be bought at a price about level with that on imported genuine oil which, however, was said to be rather dark in color as compared with the absolute uniformity and better color of the substitutes.

Cananga—Undertones were reasonably steady most of the time last week and sellers were not disposed further to shade quotations because of the well maintained prices prevailing at the origin.

Cardamom—Stable prices reflected well maintained prices on raw material at levels reached during the sustained and extensive rise in recent weeks. Less competition for business in oil existed on the spot but there was no broad trading interest disclosed in that item.

Cassia—Prices were mainly steady. That condition of affairs prevailed at home and in the primary market. Current requirements were readily supplied either out of dealers' stocks or from the excellent reserves possessed by most of the major consumers.

Citronella—Ceylon estate oil was reported highly favorable as to prices at levels deemed as very attractive by most suppliers. It is proving difficult to sell other than estate oil on this market. Central America is producing a Java type bark which some dealers declare to be superior in quality to the genuine article. Attempts to control prices at the origin through government action have not proved too successful. It was said that the genuine oil from Java, though alleged by some to be inferior, was acting as a check on price advances on the Central American produce.

Croton—New additions to spot stocks of this oil have proven to be very high in quality and such a product was offered in ample quantities on the spot during the past week.

Dill—One leading supplier of weed oil indicated that spot stocks have been exhausted and that new crop has not yet begun to arrive on this market. Some had expected that prices on new crop goods would be lower but increased spot demand and a smaller production than had been expected has tended to maintain the price level. Less optimism about prospects for lower prices exists at this time.

Erigeron — The middlewest is saying very little about producing this oil this year. Always an article of limited consumption, there is practically nothing to encourage farmers from venturing a run of the weed through the stills this Summer.

Eucalyptus—Some of the recent price unsettlement has been attributed to the arrival of oil from a new source of supply —just what source has not yet been disclosed. It is such oil that was said to be responsible for the development of lower price levels locally.

Fennel—The market was generally slow so far as coverage of future requirements of manufacturing consumers was concerned. However, in view of the well sustained ideas of prices held on replacement stocks in the primary market, the local quotations remained very steady throughout the past week.

Geranium — Bourbon oil on spot was lower at $8.75 to $15 per pound. Prices have continued to decline regardless of the bullish reports from the origin, reports that indicated low stocks and small current production. Vagaries of French exchange and the reduced demand from consumers here have kept prices to a downward trend on spot. Furthermore, though values were considered fairly attractive, it was not certain that the decline at the source has run its limit.

Grapefruit—Some suppliers indicate that former suppliers of this oil were no longer shipping, just why being a mystery the solution of which has not

For Late Market Developments, See Page 4

yielded to extensive investigation as to the cause. Present quality was said to be entirely satisfactory.

Laurel—After a rather extended period in which no prices were quoted on this oil, a schedule was restored to the spot last week and according to seller the range was $9.75 to $10.50 per pound.

Lavender—Present prices of USP oil were considered to be very low and so favorable that there is no excuse for manufacturing consumers to employ anything but the best. All varieties have known greatly reduced in price and the current levels were the most favorable to prevail in recent times. The market was steady last week.

Lemon—According to a representative of the domestic lemon oil industry who recently returned from a visit to the European production center stated that brand names on Italian oil no longer have their prewar significance. The industry abroad is disorganized. Old line houses are in the hands of new owners whom, so says the representative referred to, are "interested exclusively in making money." Production methods were said to have changed for the worst and concoction of oils of any desired quality to meet the price requirements of the buyer was talked about freely in the trade abroad. It seems not unlikely that the American oil will continue to supply at least 75 percent of the consumers requirements.

Lignaloe—Wood oil was lower at $2.75 to $5.20 per pound but the seed oil remained quoteably unchanged last week.

Lime—Support from England and other countries in the sterling area has enabled West Indian producers to maintain prices at firm, high levels. The Mexican government, according to one local informant, has been of late withholding subsidies. In effect, this has meant remission of the prohibitive export tariff on oil not exported through the union. A great deal of oil has been bought and paid for in Mexico and has been held there because of the impossibility of exportation. This failure to bring here oil already bought in Mexico has tended to develop a short position in this market. It was felt that even though the impediment to export be removed, not a great deal of oil will be available in Mexico for export.

Mace—Both mace and nutmeg oils were generally steady last week. The fact that prices on nutmegs have been advanced sufficiently to wipe out virtually all of the recent price decline at the origins tended to create a stronger undertone in the not very active market here.

Patchouli—Quality is even wider than the price range of $8 to $25 per pound. Discriminating importers have had to restrict importation save on carefully examined samples of individual lots. On the whole, the spot market may said to have been demoralized by the wide range of offerings from different sources.

Peppermint—In the view of one important operator in this market, the early predictions of a large increase in 1948 output was later confirmed by "even more exaggerated predictions of the United States Department of Agriculture."

This same quarter said last week that "actual observation now seems to indicate that more conservative estimates must be made and the government has recently reported a substantial decrease in acreage. Also, certain very large users have, as in recent years, supported the market at close to current levels in order to encourage production and avoid the eventual possibility of a runaway market."

Lack of good export business has offset this in some measure but such lack may be corrected when European Recovery Program money becomes available to former European customers who, it was said last week, were eager to buy.

Spearmint—Local dealers took the view that it was not at all certain that the primary market price declines have run their limit. The reductions already effected at the origin have been substantial.

Wormseed—One of the best informer operators in this oil has received information to the effect that a probable shortage is likely this year. Acreage has been reduced and while abnormal rainfall has caused the crop to look good in the fields, on the basis of previous experience, it was believed probable that this condition, producing a heavy yield

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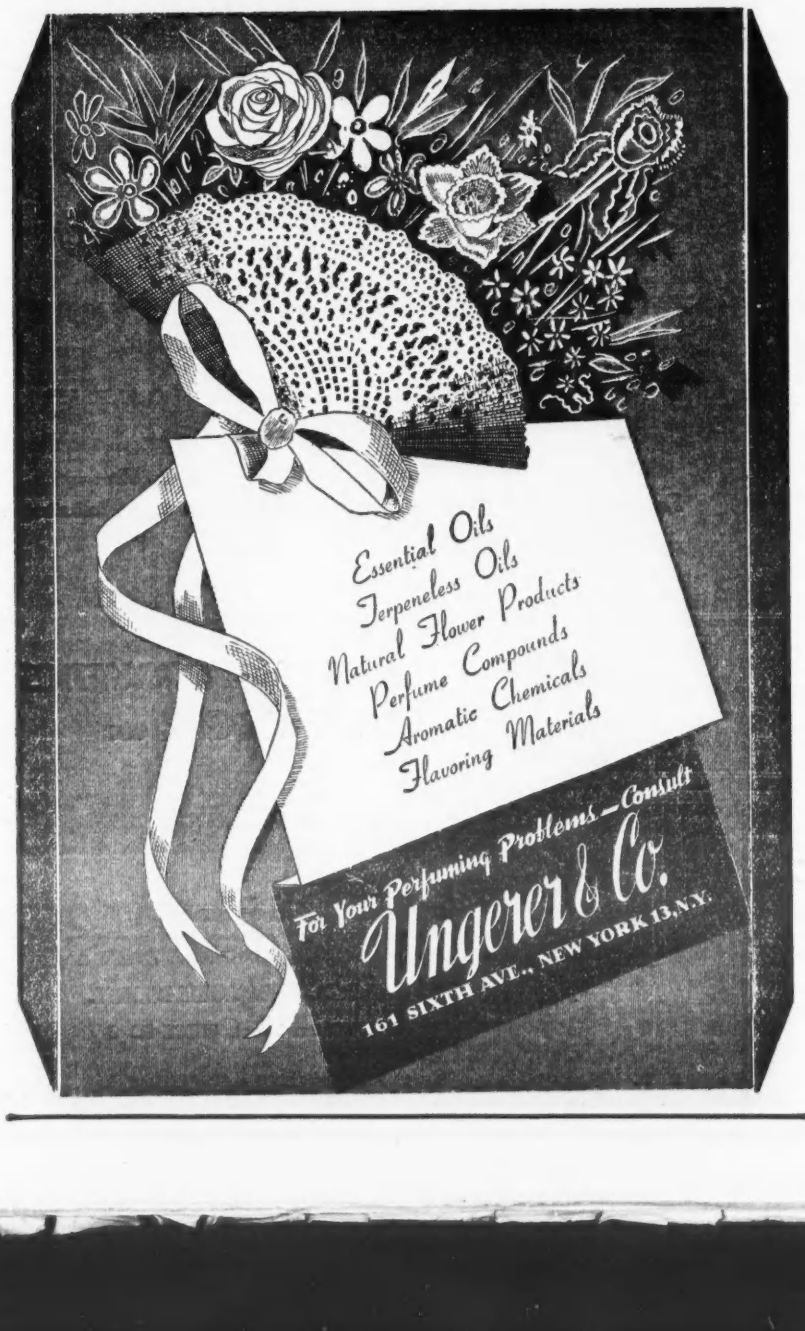

of oil, will also result in substandard material low in gravity and ascaridol content.

Aromatic Chemicals

Citronellol — This article was priced closer to production costs and the market last week stood on the basis of $3.50 to $4.75 per pound.

Eucalyptol—Avialability of raw material at lower prices has brought a reduction in quotations on this derivative. At the close of last week, the market was $1.95 to $4 per pound as to seller.

Geraniol—A more competitive market has resulted in lower prices and on 92-96 percent material, the market was $3.10 per pound; prime quality, $2.50.

Geranyl Acetate — This article also moved in buyers' favor, being available over the range $3.15 to $3.90 per pound according to supplier in a more competitive market.

Ionones—The group was much unsettled and prices were on the soft side. Alpha was lower at $5.15 to $6 per pound; beta, $8.60 to $10; methyl A, $4.65 to $8.80.

Musk—Long scarce in the market because raw material was also hard to find, ambrette has become available in quantities sufficient to supply all reasonable consuming needs. The market was $5.65 to $5.75 per pound. Ketone and xylol remained unchanged.

Nerolin—The market was well stocked with prompt delivery goods, a change from the recently more than tight situation as related to supplies. Prices continued to show some unsettlement that was directly related to competition between suppliers to a rather narrow market.

Octyl Alcohol—This article was steadier than it had been. Suppliers were not disposed further to shade quotations at which goods were quoted to consumers. Undertones were generally firmer.

Phenyl Acetaldehyde—Both the 50 percent and the pure grade of this article were maintained in steady price position. Demand was moderate and for the most part covered immediate needs only.

Phenylethyl Acetate—Demand was on a hand-to-mouth basis and the needs of buyers rarely extended beyond such a volume of trade. Sellers maintained quotations steadily and indicated that competition was not very active at the present time when stocks are not excessive.

Safrol—The recent reduction in price has not been extended. Sellers seemed to be taking a generally steady view on the item and reported a fair sized, though usually jobbing, call for prompt use.

Vanillin—Sellers indicated that supply has caught demand and thus eliminated the so-called blackmarket prices—which meant quotations obtainable by resellers at levels substantially higher than those maintained so steadily by producers throughout the shortage.

Trade Briefs

Schering Corporation, Bloomfield, N. J., announces the appointment of Dr. David L. Cronin to the staff of the division of clinical research as assistant to its director, Dr. Edward Henderson.

Johnson & Johnson Company, surgical dressing manufacturer, New Brunswick, N. J., has been awarded the Navy's Certificate of Achievement for "exceptionally outstanding cooperation and assistance voluntarily rendered" during the last war.

Evan Helfaer, president of Lakeside Laboratories, and Arturo Macias, vice-president in charge of exports, have returned from Mexico, where they took part in dedicatory ceremonies on the completion of expanded facilities of Lakeside of Mexico.

Essential Oils 1947 Imports Show Decrease

Preliminary statistics on imports of essential oils in the United States during 1947, as compared with 1946, were reported in pounds by the bureau of the census of the Department of Commerce last week as follows:—

	1947	1946
Almond, bitter	1,233	22,0[illegible]
Anise	441,420	503,[illegible]
Bergamot	38,367	123,[illegible]
Bois de rose or lignaloe	471,528	521,[illegible]
Cajeput	24,400	14,[illegible]
Camphor oil (natural) (spec. gravity 1.07)	76,451	23,[illegible]
Cananga or ylang-ylang	45,000	4,[illegible]
Caraway	35,937	9,[illegible]
Cassia	5,199	4,[illegible]
Cedar leaf	135,940	100,[illegible]
Cinnamon leaf	16,931	21,[illegible]
Cinnamon, n.s.p.f.	55,938	95,[illegible]
Citronella	352	1,[illegible]
Clove	1,291,376	829,[illegible]
Cornmint	113,075	383,[illegible]
Eucalyptus	4,932	
Fennel	550,148	836,[illegible]
Geranium	1,102	
Grapefruit	52,313	90,[illegible]
Guaiac wood		
Ho oil	4,762	
Juniper	29,740	
Lavender	20,014	30,[illegible]
spike	181,708	361,[illegible]
Lemon	168,537	167,[illegible]
terpeneless	51,936	90,[illegible]
Lemongrass	136	33,[illegible]
Lime	630,248	917,[illegible]
Orange	109,719	155,[illegible]
terpeneless	88,533	123,[illegible]
flower or neroli	18	15,[illegible]
Origanum	2,920	1,[illegible]
Orris	22,376	2,[illegible]
Palmarosa	234	
Patchouli	5,750	11,[illegible]
Peppermint	13,587	11,[illegible]
Petitgrain	11,937	44,[illegible]
Pine needle	270,721	440,[illegible]
Rose or otto of rose*	30,744	9,[illegible]
Rosemary	1,784	2,[illegible]
Rosewood	153,854	150,[illegible]
Sandalwood		
Thyme	6,439	18,[illegible]
Vetiver	9,231	16,[illegible]
All other oils	32,721	29,[illegible]
	1,029,525	1,491,[illegible]
Total	6,238,966	8,019,[illegible]

* Converted from ounces to pounds.

Lime Expansion Test Developed by B.of S.

An autoclave test for the expansion of hydrated limes has been developed and described by the National Bureau of Standards. This test is the final step in studies of the causes of plaster failure owing to expansion attending the slow hydration of magnesium oxide in the lime. The studies were designed to exclude partially hydrated limes.

In the earlier steps the bureau set a standard maximum of 8 percent for the content of unhydrated oxides. This has been adopted by the American Society for Testing Materials and the American Standards Association. Subsequently, the production of a more completely hydrated lime by autoclaving reopened the matter. This led to the autoclave test and the proposal of an expansion limit.

The work is fully presented in the September, 1948, issue of the Journal of Research published by the Bureau of Standards.

Quaker Oats Shifts Howe to New York

James J. Howe of The Quaker Oats Company's chemicals department has been transferred from Chicago to the firm's eastern sales office in New York. As technical representative, he will handle eastern sales of chemicals of the furan group.

Chas. H. Dietz, Inc., Sold

Chas. H. Dietz, Inc., medicinal and veterinary tablet manufacturer, St. Louis, has been purchased by Elmer C. Flint and associates and has been incorporated under the name The Dietz Laboratories, Inc.

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Petroleum Derivatives

Supply levels for solvents and diluents held their own last week, despite continued demands for aviation and motor fuels. The market, meanwhile, displayed a generally steady tone, although West Coast paraffin quotations declined.

The government aviation gasoline program notwithstanding, at least one maker of petroleum aromatics reported reasonably comfortable supply conditions. The situation was by no means long and shortages cropped up in certain areas, but most regular customers were being adequately supplied. At the same time, some shifting about of accounts was noted by certain petroleum companies because of the recently-adopted works price formula in the coaltar industry.

Long-standing customers did not want for aliphatic materials during the week. In fact, supplies were said to be more readily available, which condition was mainly attributed to the fact that gasoline consumption was not as great as had been previously anticipated. Prices held in all areas.

Lighter fractions were uniformly plentiful. West Coast paraffin prices were lowered seventeen-twentieth cent per pound. This action followed the recent East Coast decreases, which ranged from one-quarter to three-quarter cent.

Solvents and Diluents

Aromatic Solvents—Reports of scarcity cropped up in some areas last week. However, at least one maker of petroleum toluol and xylol described conditions as reasonably comfortable, marketing all of its current production and keeping most regular customers well supplied. Nevertheless, there definitely was no surplus of aromatics. Many aviation gasoline producers, committed under the government fuel blending program, apparently were still having little success in obtaining all the toluol they needed.

Demand from other quarters was generally steady. As a result of the recently-adopted works price formula in the coaltar industry, it was reported that some shifting about of accounts was taking place. Buyers in certain areas were said to be going over to petroleum aromatics because of the unfavorable price picture under the new setup, while elsewhere the reverse development was underway. Meanwhile, the petroleum industry reaffirmed its intention of retaining delivered quotations. Nowhere in the trade was there any evidence of any conversion of the present price structure.

Cleaners' Naphtha—Although improved during the week, the supply position of this and other aliphatic materials was not sufficiently free to permit expansion of business. Widening of stocks was attributed mainly to the fact that gasoline consumption was not as great as had been previously anticipated. Further easement was expected within the next few weeks, when the real decline in gasoline output usually sets in. Price-wise, the market was firm in all areas.

Lacquer Diluent—Most regulars were receiving sufficient material last week, but spot buyers were still hard put to make contact with regular sources of supply. Inventories, though still on the low side, were, if anything, somewhat better than they were during the previous week. Producers looked for continued improvement in the situation. Prices were on a par with former levels.

Mineral Spirits—The paint trade was still taking greater quantities of this solvent than heretofore. However, because of the relatively favorable gasoline situation, the supply position of this aliphatic was said to have taken a turn for the better. Stocks were still not sufficiently available to permit the acceptance of all business, but enough material was on hand to keep regular customers well supplied. The price structure remained stable.

Rubber Solvents—A surprisingly easier condition in the gasoline market produced comparably improved conditions in this section during the week. Apparently, the shortage of gasoline, predicted earlier by most authorities, was not forthcoming. Stocks of this aliphatic were therefore ample enough to permit regular shipments to all long-standing customers. Some spot material was also available, but not in sufficient volume to satisfy demands of all occasional buyers. There was no fluctuation in price nor was any expected within the near future.

Stoddard Solvent—Despite increasing interest on the part of the protective coatings industry, the supply position of this material was reported somewhat easier during the week. Principal cause of the easing was attributed to improved conditions in the gasoline market. Regulars were well supplied, but spot customers were still hard put to locate stocks. Quotations were maintained in all areas.

V. M. & P. Naphtha—Reasonably comfortable conditions continued to hold sway in this section last week. Long-standing customers were adequately supplied, and inventories were reported to be sufficiently ample to permit a few limited offerings on the spot market. By and large, demand was relatively unchanged, as were prices.

Lighter Fractions

Both butane and propane continued in plentiful supply during the past week. No change in the situation was expected for at least another month, at which time refiners are due to begin production of Winter motor fuel. This, of course, is expected to narrow inventories considerably, but producers of liquefied petroleum gases feel certain that enough material will be available to meet at least minimum requirements of the solvents trade. Other lighter fractions, meanwhile, remained in equally excellent supply. Demand was at former levels. Prices were firm.

Miscellaneous

Crude Oil—The Bureau of Mines reported that the daily average production of crude petroleum in June increased 42,000 barrels over the May record to 5,544,000 barrels. Higher production rates were reported from nearly all producing states, with largest gains in Texas (17,000 barrels daily), Oklahoma (6,000) and Illinois (4,400). Oil-well completions numbered 1,860, compared with 1,864 in May, and in the first half of 1948 were 21 percent more than in the comparable 1947 period. The number of active drilling rigs decreased 10 during June to 4,751, but was 11 percent above June 30, 1947. Crude runs to stills averaged 5,632,000 barrels daily in June, a decrease of 36,000 barrels daily from the May record. Total crude runs for the second quarter averaged 5,614,000 barrels daily, compared with 5,372,000 barrels daily for the January-March period. Arrivals last week totaled 250,275 barrels of crude petroleum from Puerto La Cruz.

Fuel Oil—Importations during the week aggregated 195,000 barrels of fuel oil from Aruba.

Los Angeles Petroleum Market

Call for solvents and diluents was fair last week. Supplies were ample. Cleaners' naphtha, 15.7c. per gallon, tankwagon, ex-tax.

Demand for propane and butane was slow. Supplies were adequate. Propane was quoted at 8.3c. per gallon, tankwagon, f.o.b. Wilmington, Calif. Butane was also at 8.3c., same basis.

The paraffin wax market was very quiet here last week. With ample supplies, it was a buyers market. Prices were lower. High melting point, 140-147 ASTM, carload, loose slabs, f.o.b. shipper's refinery, San Francisco Bay area, 9.3c. per pound; 146-148 ASTM, 11.7c. per pound, and 157-162 ASTM, carload, loose slabs, 13.65c. per pound, f.o.b. refinery. Tankcar prices in the order named were 8.95c., 11.35c. and 13.3c. per pound.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 14 totaled 221,655,000 barrels, according to the Bureau of Mines. Compared with the total of 220,255,000 barrels for the preceding week, this represents an increase of 1,400,000 barrels, comprising an increase of 1,911,000 barrels in stocks of domestic crude and a decrease of 511,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline bearing stocks, totaled 7,596,000 barrels, an increase of 8,000 barrels.

For Late Market Developments, See Page 4

Oil-Shale Experiment Station Open to Public

An "open house" for public inspection of the petroleum and oil-shale experiment station's new laboratory building at Laramie, Wyo., was held on August 25. On that date, the third anniversary of the laying of the cornerstone, the $550,000 building erected under the synthetic liquid fuels act of 1944 was open to visitors from 2:30 to 5 p.m. and again from 7:00 to 8:30 p.m. Experimental equipment valued at approximately $350,000 were in operation, and research methods were demonstrated during guided tours. This event had been deferred for more than a year since completion of the building so that all equipment could be installed and all laboratories placed in operation.

The station has two dominant research objectives: To create a firm foundation for a new American industry based on oil-shale, and to prolong the life of an established industry dependent upon natural petroleum.

The oil-shale laboratories at Laramie, the largest and most complete of their type in the world, are operated in close collaboration with the oil-shale demonstration plant of the Bureau of Mines on the Naval oil-shale reserves near Rifle, Colo. Retorting and refining processes developed at Laramie are proved in the pilot plants at Rifle, and oil-shale assays made in the laboratories control the mining operations at the demonstration plant.

Results of the petroleum studies made at Laramie are used directly by industry to obtain more efficient operating practices and maximum yield in the oil fields of the Rocky Mountain area.

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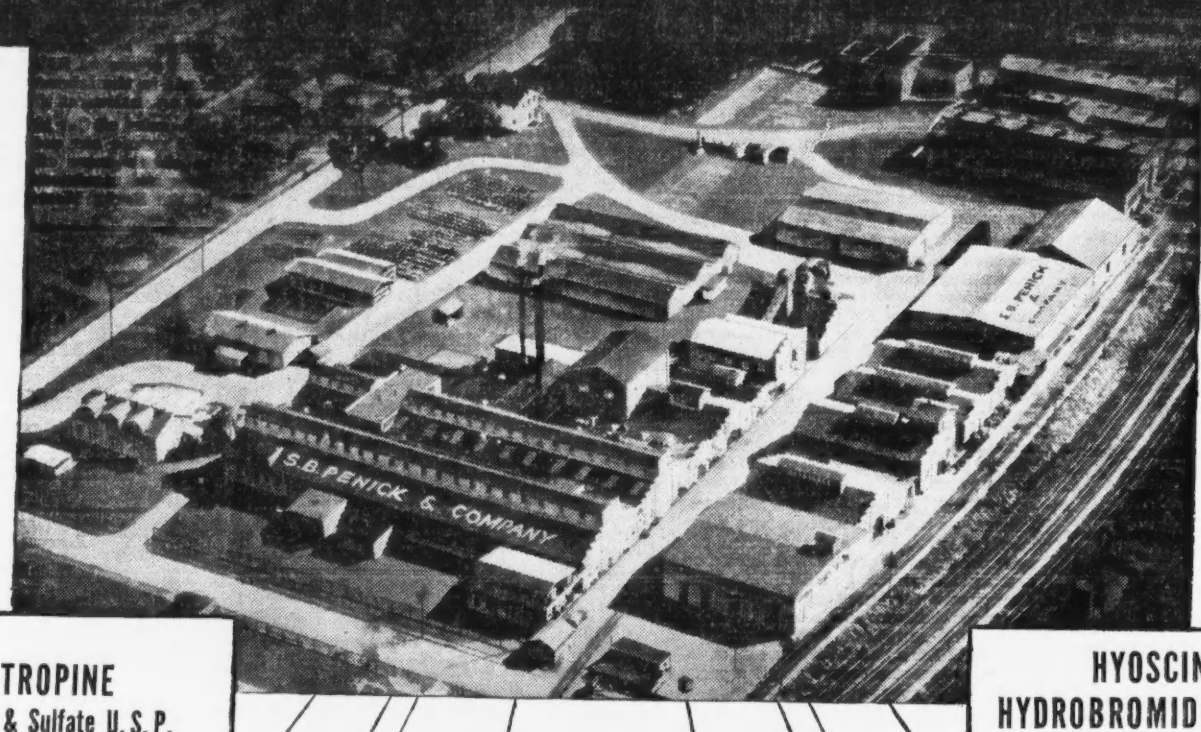

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Botanical Drugs, Spices, Gums

Tranquility soothed the market for botanical drugs last week. The agitation that had been falling prices was succeeded by what appeared to be marked repose. Most drugs clung steadily to their recently achieved levels of value. Two exceptions were noted. Lycopodium disappeared at very low price levels to reappear sharply higher in a much stronger market. Mandrake root left a relatively peaceful low price position and arrived at a rather turbulent and much higher market. Failure to collect mandrake regardless of price stimulus offered to gatherers joined the covering of requirements by needy buyers especially of those making podophyllin resin. The lycopodium and mandrake price rises put the market index up 3.7 points to poise at 201.0 as compared with 267.1 at the corresponding time in 1947.

Even botanicals within the condimental group came under the influence of tranquility. The market for such materials totally lacked anything resembling normal price activity. Green cardamom from Aleppy, cassia from Yunnan, and celery seed from India were exceptions; all showed higher price position at the close. No reductions in prices were recorded.

In the not distant future, collection activities will be virtually at an end at home and abroad. On the whole, prices developed during the collection season showed a downward trend this year. Plenty of exceptions to this general rule exist but the exceptions were more in the degree of price reduction than in the way of actual advances.

The future trend of the market would appear definitely to depend on consumer stocks. Last year, their inventories were high and manufacturers were able to retain considerable independence of sellers' proposals. That fact, also, reacted on the buying by some primary market dealers who trade direct with the gatherers and some of the godowns of primary market collectors a year ago at this time were not bursting with new crop goods. Something like that 1947 policy of conservative purchase could be found at the origins this Summer. If consumer stocks are lower than a year ago, a reversal of recent price trends could well be within the realm of future developments.

Balsams

Fir—The market was very firm. Replacement costs alone would account for the well maintained position of spot prices but added support was given last week in the form of some improvement in demand. The tendency of prices appeared no longer to be downward.

Peru — Jobbing business was an active supporter of prevailing prices and that sort of transaction build a substantial volume of trade by the close of last week. It was done on the basis of fully firm quotations.

Barks

Angostura—Though not very active so far as demand from manufacturing consumers was concerned, this bark occupied a very steady price position if only for the reason that the replacement position of the article was virtually firm at the origin.

Cascara Sagrada—Some fairly low and always attractive prices were recently developed by offerings made from the primary market to consuming factors bent on stocking new crop for ageing purposes. Locally, the market was lower at 36c. to 40c. per pound, which was substantially higher than quotations originating at the origin.

Cottonroot—An ample supply of this material is available for collection and stocks to be available for consumption during the next twelve months or more will depend on the ability of suppliers to get the article collected.

Sassafras—Collection is well advanced and deliveries into country godowns seemed to assure manufacturing consumers with a better than fair supply, come next Spring and the season of heaviest consumption. At the moment, local quotations were said to be quiet but generally steady in the absence of consumer demand.

Beans

Vanilla — Some reports from French sources indicated that official declines were set but not signed. It had been supposed that official prices then set would be retained throughout 1948 in the interest of price stabilization of the industry. Since then, Mexican beans have come on this market at prices offering sharp competition to the French beans but of late the Mexican article itself has assumed something akin to stabilization and higher prices would not surprise if they were developed within reasonable limits. Tahiti beans lower at $3.75.

Berries

Raspberries—New crop goods have been offered at lower primary market prices and spot quotations developed on the basis of $1.60 to $1.65 per pound for the dried material. The supply was not considered excessive but it also seemed probable that all pressing needs could be met.

Sloe—The article could be brought at very low prices in foreign markets but none in the local trade appeared to show the least interest in the item at any price whatsoever. Yet, for goods actually spot and in the hands of regular dealers, 39c. to 40c. per pound was asked, this price being in line with the high prices paid shippers who supplied the current stock. Until the gin market recovers strength—and alcoholic strength is not meant—sales of sloe will be slow.

Flowers

Arnica—Though not very active, the market seemed steadier and more in line with the prevailing replacement position in European quarters. Stocks available on spot would care well for demand when it resumes on a more substantial and sustained basis in the near future.

Chamomile—Replacement cost tends to apply a break on any tendency toward price competition at this time, however slow the market may be with respect to sales into consumption. Since the late reduction in quotations, a generally steadier situation has developed.

Clover — Not much was doing in this article and the market was none too steady. Replacement prices in some quarters were said to show an easier tendency. However, local quotations lacked change.

Elder—Domestic country prices showed fair stability and offerings were moderate in most directions. Undertones applicable to prices were generally steady and tendency to shade was absent among local suppliers.

Gums

Arabic — Local undertones were very steady. Some gain in sales was reported and quantities under request showed an improvement within moderate limits.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Lycopodium, 40c. per lb.
Mandrake root, 10c. per lb.

Other Articles

Cardamom, green, Alleppy, 15c. per lb.
Cassia, Yunnan, ½c. per lb.
Celery seed, Indian, ½c. per lb.

Prices Reduced

Drugs

Cascara sagrada bark, 2c. per lb.
Raspberries, dried, 40c. per lb.

Other Articles

Vanilla beans, Tahiti, 75c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
201.0	197.3	199.2	264.0

(For Current Prices see Page 9)

Imports Detained by FDA

New York

Week Ending August 20

Chillies, 192 bags: insect infested.
Cinchona bark, 42 sacks: not NF.
Cloves, 300 bags: filthy.
Galangal root, 50 bales: insect bored; live insects.
Kola nuts, 220 bags: insect infested and filthy.
Marjoram leaves, 400 bags: filthy.
Nutmegs, 670 bags, 16 cases: wormy and moldy.
Paprika, 925 bags: filthy.
Peppers, red, crushed, 450 bags: filthy.
Pimento, 400 bags: live and dead insects.
Poppy seed, 800 bags: filthy.
Senna siftings, 32 bales: insect infested.
Sesame seed, 200 bags: live insects, filthy.
Turmeric, 48 bags: live and dead insects.

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ITS HISTORY
5

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But Rutin has had many other names, just as it has been derived from about 38 botanical plants since the original discovery. Among the many other names are: Eldrin, melin, myrticolorin, asyritin, phytomelin, violaquercitrin, and rutic, or rutinic acid.

The achievements of modern researchers relate almost only to the *use* of Rutin in certain ailments stemming from high blood pressure. They also relate not to source discoveries but to scientific extraction methods that give a high yield. Buckwheat as a source was recorded at least as long ago as 1868.

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Prices were well maintained in regular circles and any shading would seem to relate to goods in possible distressed position.

Benzoin—Some quarters were disposed to ask somewhat higher prices for Sumatra gum but in the main the market position failed to change basically and the market as recently quoted was still in effect. Resumption of demand along a broader front at an early date appeared to be a reasonable prospect for dealers.

Camphor—Stability was the keynote in prices on this material. Demand for synthetic goods was along seasonal lines and in the not distant future a rise in the call in the interest of stocking goods for Winter consumption was a reasonable expectation. It seems odd that with the war over practically three years, the natural camphor industry in the Far East has made practically no headway in the direction of reestablishing natural camphor on a world side trade basis.

Myrrh — Some tendency to restore reserves in the hands of secondary suppliers has been noted of late, leading to a moderate gain in inquiries and some improvement in sales made on the basis of prices that have developed a steadier position on the spot.

Herbs and Leaves

Boldo—Stability held sway in the market for this material, both as to jobbing demand and going prices prevailing in this market. The replacement market price views acted as a supporting element here.

Damiana—The decline noted a few weeks back has not been extended. On the contrary, local holders of the not very large stocks were disposed to take a steadier view on prices. At the very least, they maintained them without any tendency toward acceptance of bids.

Henbane—Although current demand was light and irregular, this article held to a better than fairly steady price position under the influence of the competition rather less active than it was a short time back. Stocks were believed sufficient to protect probably buying requirements for some distance into the future.

Jaborandi—Stocks were fair in size and they were well distributed in local circles where quotations were steady to firm throughout the past week and competition was less aggressive than a short time back.

Laurel—Prices became more stable as the week developed a moderate expansion in takings against jobbing requirements of a fair number of buyers for consumption. Replacement cables repeated former quotations.

Lobelia—Country prices held very well, being the third week in succession for quotations to remain free from further development. The greater stability at the origin has been communicated to the spot in no small measure.

Peppermint—Both domestic and foreign leaves were steady. Though absence of much local trading tended to keep local conditions competitive, sellers for the most part maintained quotations free from change and, mainly, in line with prevailing replacement cost.

Sage—Some gain in inquiries arose from the attempts of some major users to post themselves on market conditions with a view to coming coverage of late Fall and Winter requirements, particularly by the processors of meat. Pricewise, the market was reported to be generally steady and subject to no more than fractional fluctuations from time to time.

Tarragon—Though immediate interest was minimum, signs of the probable broadening of consumer requirements were not entirely lacking last week and sellers maintained prices in firmer position.

Miscellaneous

Cantharides—Chances were poorer for a re-establishment of local stocks of Russian flies because of the troubled relations between the United States and the USSR which resulted in the early abandonment of the Russian consulate in New York. Chinese flies were available in substantial swarms at low, competitive prices.

Corn Silk—When the price asked for domestic silk was compared with the replacement quotations prevailing on European material, it seemed unlikely that much of a market would be found for the home grown item this year. Spot goods were quoted at 18c. to 20c. per pound, being far below quotations noted in the domestic primary market.

Lycopodium—Nothing was available on spot under $1.95 per pound and it might

be doubted that goods would be actually delivered for that amount of money. The market has strengthened substantially and upwards of $2.50 was asked for the USP quality of merchandise.

Manna—A quiet but very steady spot market was noted. Buyers covered immediate requirements only, but the trade made a bulk sufficient to give prices substantial support and to render competition negligible throughout the past week.

Roots

Aconite—Jobbing interest proved sufficient to curb competition last week and to give the market a steadier undertone without bringing about much actual improvement in the price position on spot.

Blueflag—Country shippers did not seem to be offering any excessive amount of this root and for the most part the absence of such proposals tended to give a degree of added steadiness to the spot position. Country prices also failed to move in favor of buyers.

Gentian—Some quarters did advance quotations last week but others retained former prices though reporting them to be based on somewhat firmer market conditions at home and abroad.

Goldenseal—Demand has been so lacking that shading of prices would not surprise if orders went to certain quarters in the domestic primary market. However, it cannot be too often stated that spot and primary market quotations are very close together and that there is not much profit in local sales at local quotations.

Helonias—Conditions concerning collection have at last developed considerable strength to the local and primary market price views on this root. Sellers were no longer inclined to shade quotations, being displaced to hold them much more steady because of the lack of any important gain in domestic collections lately.

Ladyslipper — This was another root which collectors have not stocked in substantial quantities and it seemed apparent last week that the main consumption would be satisfied probably at prices no more attractive than those prevailing at the present time.

Mandrake—Many country shippers have upped prices sharply. In local circles, it was declared that gatherers had not brought in the quantities of root which comparatively high prices to them had been hoped to achieve. Manufacturers of podophyllin either advanced prices sharply last week or admitted that they had nothing to offer. Local quotations on root went to 40c. to 45c. per pound and the inside was very close to country quotations to consumers.

Rhubarb—Jobbing business was better than fair and it was also somewhat broader and more numerous than it had been. Prices seemed to have shucked their recently downward trend and to have donned a tendency to rise moderately in the event of substantial demand arising.

Senega—It was a bit surprising to find a shipper in Bombay, India, offering this root for shipment to this country. Yet, such was the event last week and the quantity was substantial. Local market conditions were much steadier and the consensus was that declines in the primary market were probably at an end for this year.

Seeds

Anise—Sellers reported the market generally steady but they also said it lacked substantial interest on the part of buyers and that activity during the period under review was nominal.

Caraway—Business was strictly routine and about normal in terms of the recent activity in the material. Shipment prices held.

Cardamom — Some decorticated seed was bought in Guatemala on the basis of $1.10 per pound, c.i.f. New York late in the previous week. The local asking price for that variety of seed was $1.73 to $1.75. Green Aleppy seed was higher at $1.55 to $1.60. Bleached cardamom held

—Continued on page 78

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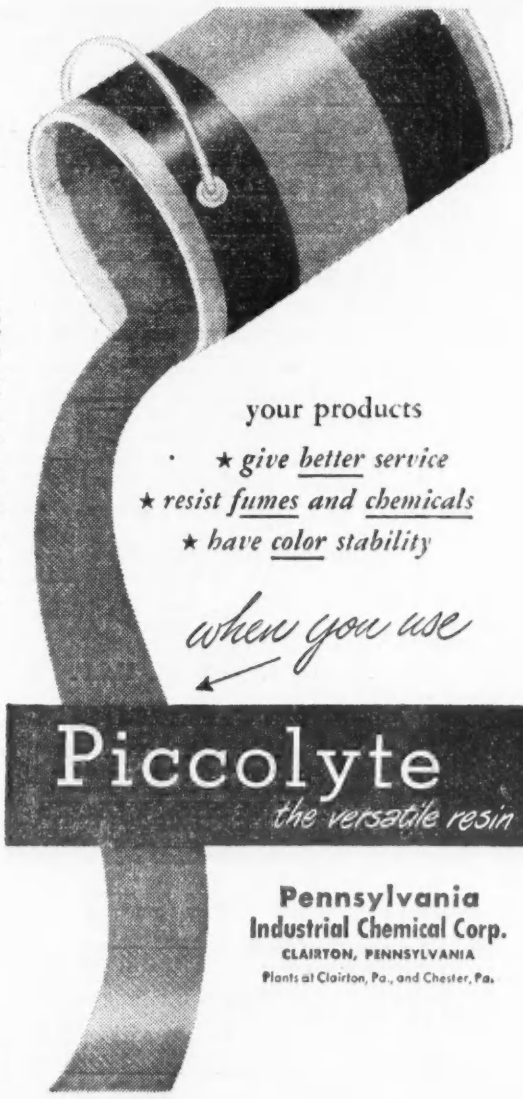

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Protective Coatings Materials

Minor declines for casein, dibutyl sebacate, glue, natural resins and lecithin last week did not alter prevalent strength in the protective coatings market. Recent increases for zinc pigments became general during the week, and advances for cadmium and chrome colors were believed imminent. The index remained at 204.1.

Zinc oxide will be 2½ cents higher throughout the trade on Wednesday. The September 1 rise on pure, zinc sulphide will be 2 cents per pound. Expected boosts in cadmium colors did not materialize, but action was anticipated momentarily at press time. Chrome colors were also due for a rise early in September, but as of late last week the move had not yet been announced by all makers. Lithopone will remain at current quotations, despite boosts on other zinc pigments.

A new producer of domestic talc is expected to come into the market this week. The company believes it will be in full-scale commercial production by October 1. Interest in alkyd resins was still at a low ebb during the week. Cumarone-indenes, however, were on heavy call, particularly the lighter-colored grades, as were polystyrene resins.

Weakening in primary centers, coupled with dull trading, combined to force down natural resins quotations in New York one-half cent to one cent per pound. Macassar copals, East India, black, bold and batu, bold, were all off by the latter amount, while Philippine copal gums dropped one-half cent. Both New York and Calcutta shellac markets were very steady.

One maker of dibutyl phthalate joined two competitors at reduced price levels for less-carload quantities. Dibutyl sebacate was one cent lower because of decreased raw materials costs. Imported casein was off three-quarter cent to one cent per pound, due to lack of buying and the desire of Argentine producers to unload holdings before the onset of the October-November flush season. A maker of special-drying grades of bone glue announced reductions of 2 cents to 3 cents per pound. Bleached and unbleached grades of lecithin were down three-quarter cent to one cent.

Market Trends

Prices Advanced

Turpentine, gum, Savannah, ¼c. per gal.

Prices Reduced

Casein, imp., acid-precip., ¾c. to 1c. per lb.
Dibutyl sebacate, 1c. per lb.
Glue, bone, ground, 3c. per lb.
pulverized, 2c. per lb.
Gum, copal, Macassar, DBB, 1c. per lb.
MA, 1c. per lb.
loba C, 1c. per lb.
Philippine, 1st quality, 1½c. per lb.
2nd quality, 1½c. per lb.
3rd quality, 1½c. per lb.
Dammar, East India, black, bold, 1c. per lb.
batu, bold, 1c. per lb.
Lecithin, bleached, unbleached, ¾c. to 1c. per lb.
Rosin, gum, Savannah, WW, X, 3c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
204.1	204.1	202.3	180.7

(For Current Prices see Page 9)

Prime Pigments

Antimony Oxide — Inventories were plentiful last week. Buying interest was described as sluggish. Prices held firm at 31c. to 33c. for the ceramic grade and 33¾c. to 35c. per pound for the paint material.

Blue, Celestial—In good supply, this material was reported in moderate demand for this time of year. Quotations were maintained.

Blue, Iron—Stocks of Chinese, Milori and Prussian blue were freely available during the week. Buying interest, though not heavy, was considered normal. Price-wise, the market was unchanged at 45c. per pound.

Cadmium Colors—Orange, red and yellow cadmium pigments, due for a substantial price boost because of the recent increase in the metal, last week remained firm. According to trade sources, new schedules had already been prepared, but for some unknown reason were not yet available for public release. What the new prices will be could not be ascertained, but action along these lines was expected momentarily at press time.

Green, Chrome—Schedules of certain producers will go up ½c. to 1½c. per pound next month, but, as of late in the week, most pigment makers were holding firm at previous listings. The supply position was described as excellent, although business was still quite active. Consumers in the New York area were apparently still attempting to assure a steady flow of material in the event of a trucking walkout, due on Wednesday, and others evidently were anxious to get in under the wire before the expected increases became general.

Lead Pigments—The market for these materials was stable at recently-instituted higher price levels. Active demand had not yet resumed by last week, but sufficient business was transacted to permit sellers to describe consuming interest as normal for this time of year. During the Summer lull, some mild improvement of white lead stocks was noted, but red leads, used in the steel industry on a large scale, showed no material change for the better. Although the general supply position was said to be precarious, most requirements were being met during the week. It was pointed out, however, that any appreciable increase in demand would tighten the situation considerably.

Lithopone—Due to a relaxation of consuming demand, prices of the pigment material did not go along with increases on zinc oxide, which last week were generally adopted by the trade. It was still believed in some quarters, however, that advances would be forthcoming later in the year because of the higher quotations on slab zinc. As of last week, they apparently were being absorbed by lithopone manufacturers.

Orange and Yellow, Chrome — Other makers of these dry colors last week failed to go along with 2c. increases recently announced in certain quarters. The higher schedules, due early in September, were, at the same time, held largely responsible for an unexpected increase in business. Consumers apparently were anxious to take advantage of the lower price structure. In New York, the situation was further complicated by an expected trucking strike on September 1. In that area, buyers were evidently building up stocks to prevent a possible closing off of supplies.

Red, Lithol Toner—Some improvement was noted in the supply position of this and other organic toners during the week. The situation had not yet eased sufficiently to permit prompt shipments, but delays on orders were said to have been cut down appreciably. Prices were constant.

Red, Para Toner—Supplies were freer during the week, although not free enough to allow immediate deliveries. Considerable headway was reported made against outstanding orders, and producers expected normal market conditions to develop by the end of the year. Prices held fast.

Red, Synthetic Iron Oxide — This pigment in bags was quoted at 11½c. to 11¾c. per pound during the week. Some offerings were being made in barrels, but premiums upwards of ½c. per pound were being asked. Demand was good. Supplies were reasonably ample.

Red, Toluidin Toner—Inventories were better last week, as demand continued at its previous pace. The material was still on the short side, however, and delays were still required on all orders.

Yellow, Zinc—Expected increases failed to materialize last week. In view of the higher price for the metal, however, this action was generally believed inevitable.

Zinc Oxide — All leaded and lead-free zinc oxides will be 2½c. per pound higher on Wednesday. Last week these increases, announced during the previous week by one maker, became generally adopted by the trade. The new schedules are guaranteed for one month only, until September 30. The new listings will call for 13½c. to 13¾c. per pound on domestic, acicular, American process lead-free and five percent leaded grades; 15⅛c. to 15⅜c. on 35 percent leaded; 15⅞c. to 16⅛c. on 50 percent leaded; 15¾c. to 16c. on French process lead-free and white seal; 15¼c. to 15½c. on green seal; 14¾c. to 15c. on red seal, and 16¾c. to 17c. per pound on USP zinc oxide.

Zinc Sulphide—Along with zinc oxide, the pure grade of this pigment will also go up on Wednesday. The rise in this section, however, will be 2c. to a new quotation of 13½c. to 13¾c. per pound. Ex-

For Late Market Developments, See Page 4

tended grades of zinc sulphide will remain at former price levels.

Fillers and Extenders

Magnesium Silicate — A new producer of talc is expected to come into the domestic market this week. In fact, mining and primary crushing operations are already underway. Full-scale commercial production is not expected for another few weeks because shipments of necessary equipment have been delayed. However, the company believes it will be making regular deliveries by October 1. Output of this plant is estimated at 50,000 tons yearly. The material, which is reported to be of a higher quality than that of other domestic manufacturers, will sell at higher quotations. The product is currently being offered to the paint, cosmetics, paper and textile trades. As to the general supply situation, talc was extremely short during the week. The new source of supply is expected to furnish only mild relief because of the intense demand.

Synthetic Resins

Alkyd Resins — The interest of civilian buyers was still at a low ebb last week. Some manufacturers of resins estimated the overall demand during the Summer months at 10 percent or more. However, because of previously intense activity in the market, there were some sellers who were of the opinion that the alkyds market was seeking its normal level. One manufacturer reported that an increased demand in government business has more than made up the lag in civilian sales. Supply-wise, stocks appeared to be sufficient to handle the current volume of civilian business, although one seller reported that that company was so low in phthalic anhydride that it was compelled to turn down inquiries from government sources. Price-wise, the situation was firm.

Chlorinated Rubber—A maker of cyclocized specialties reported that that company was receiving all pigments necessary for uninterrupted production of its line of dispersions. Furthermore, no future difficulty was anticipated. Demand for these products was said to be on the rise. Prices were stable.

Cumarone-Indene Resins — Lighter grades were still extremely tight during the week. One manufacturer reported that shipments were being allotted to contract customers only and in amounts previously stipulated in written agreements. The darker-colored materials were readily available, some grades on prompt shipment and others after a delay of two to four weeks. Previously heavy demand, especially from the floor tile industry, continued unabated. Many such floor covering manufacturers were still making large purchases of polystyrene resins in place of the lighter-colored cumarone-indenes, despite the higher price commanded by the former product.

Natural Resins

Reflecting weakness in primary markets, New York quotations declined ½c. to 1c. per pound during the week. Trading was described as dull and Macassar and Philippine copals were off 1c. and ½c., respectively. East India, black, bold and batu, bold were lowered 1c. per pound. Although buying interest was still generally weak, both stocks and the volume of business were said to be at higher levels than they were a year ago. Current market listings on affected grades follow:—Macassar DBB, 20c. to 21c. per pound; Macassar MA, 18c. to 19c.; Macassar loba C, 26c. to 27c.; first-quality Philippine copal. 24c. to 26c.; second-quality Philippine, 19c. to 21c.; third-quality Philippine, 16c. to 18c.; East India, black, bold, 13c. to 14½c., and batu, bold, 10c. to 11½c. per pound. Arrivals last week totaled 1,998 bags and 47 baskets of copal gum from Matadi, Manila and Macassar and 510 bags and 200 cases of dammar from Singapore.

Shellac—A development that could become a highly influential factor in shellac was the announcement last week of the National Military Establishment's intention to buy 1,500,000 pounds of shellac as a part of its stockpile program for strategic raw materials. Both the New York and the Calcutta centers were very steady last week. Some widening in quotations on TN lac was noted, however, spreading from 59c. to 60c. per pound to a new range of 59c. to 62c. This discrepancy in the market was evidently due to the spottiness of stocks on this particular grade. Some sellers, apparently with large inventories of TN, were anxious to unload, while others, short of the material, were holding out for more money. The overall supply situation of orange lacs, however, was none too plentiful. Demand was largely still on a hand-to-mouth basis, although some consumers were buying ahead to guard

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against the expected trucking strike, due on Wednesday. Importations during the week aggregated 200 bags of shellac from Calcutta. Meanwhile, the Chemical and Health Products Branch reported that, exports of shellac from Siam to the United States in the second quarter of this year were valued at $508,956. Exports during the quarter of other lac products were as follows: — Seedlac, $157,167; buttonlac, $6,783, and sticklac, $17,920. Exports from Hong Kong during the first half of 1948 included 669,082 pounds of shellac, valued at $281,960. Exports of seedlac in the same period aggregated 131,200 pounds, worth $50,452.

Lacquer Materials

Dibutyl Phthalate — Three makers of this plasticizer last week quoted the less-carload price at 37½c. per pound. However, one major factor in the market continued at 39c., reporting that no plans were in the making to follow along with ½c. decreases by competitors for l.c.l. quantities. Other amounts were unchanged.

Dibutyl Sebacate—The price structure declined 1c. per pound during the week, reflecting lower raw materials costs. Supplies were excellent. Demand was moderate. Current schedules range from 66c. to 68c. per pound.

Dicapryl Sebacate—Quotations on this newly-introduced plasticizer follow :— Drums, carload, works, 65½c. per pound; l.c.l., works, 66c., and tanks, works, 64c. Interest in the new material was said to be good.

Dimethyl Sebacate—Despite decreases in dibutyl sebacate, this material held firm at 71½c. to 73½c. per pound. Business was moderate.

Tricresyl Phosphate—It was erroneously reported in the previous issue of OPD that increases of 8½c. to 9c. per pound, recently announced by two manufacturers, would become general on September 1. Later information reveals, however, that one other maker is still holding at previous listings. According to reliable information increases are in the making, but they are not believed to be as great as those announced by competitive concerns.

Miscellaneous Materials

Casein — Waning interest by both domestic and European buyers again forced down Argentine casein quotations on the New York market. Declines of ¾c. to 1c. per pound were reported by traders last week, resulting in a closing price of 26c. to 26½c. The development, predicted in some quarters, apparently reflected a change of heart on the part of Argentine producers. Previously they had been content to play a waiting game, knowing full well that American casein production was at a record low and that consumers in this country would probably have to go to the Argentine for material in September. However, they did not take into account the complete lack of enthusiasm for casein in this country and the falling off of European purchases. Thus, apparently anxious to unload their holdings before the October-November flush season develops in the Argentine, they decided to accept lower bids. Meanwhile, domestic casein held fast at 31c. per pound, but with practically no takers at this price. Many consumers were either going over to the Argentine product or using soybean substitutes, both of which materials were being offered at lower quotations.

Glue—A maker of special-drying grades of glue announced decreases of 2c. to 3c. per pound. Current quotations follow:— Bone, ground, 23c. to 24c. per pound, and bone, pulverized, 25½c. to 26½c. per pound. Other grades were firm. Arrivals last week totaled 100 tons of junk bones from Taku Bar.

Lecithin—The price structure of this material weakened, dropping ¾c. to 1c. per pound on bleached and unbleached grades. Stocks were plentiful. Business, which is generally off during the Summer months, was said to be fair for this time of year. Prices were as follows:— Bleached, 16¾c. to 19c. per pound, and unbleached, 15¾c. to 18c. per pound.

Naval Stores

The records of the gum naval stores markets over the week ended August 27 were as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. c.; N.Y. wire, Fri'd
B	$ .50	$ .50	$3.50	$3.50	$3.50	$7.90 $5.65
D	7.00	7.00	7.00	7.00	7.00	8.25 9.00
E	7.00	7.00	7.00	7.00	7.00	8.25 9.00
F	7.25	7.25	7.25	7.25	7.25	8.25 9.00
G	7.25	7.25	7.25	7.25	7.25	8.25 9.00
H	7.25	7.25	7.25	7.25	7.25	8.35 9.10
I	7.26	7.26	7.26	7.26	7.25	8.35 9.10
K	7.28	7.28	7.27	7.28	7.28	8.35 9.10
M	7.33	7.33	7.33	7.33	7.33	8.35 9.10
N	7.33	7.33	7.33	7.33	7.33	8.35 9.10
WG	7.35	7.35	7.35	7.35	7.35	8.35 9.10
WW	7.45	7.45	7.45	7.43	7.43	8.50 9.25
X	7.46	7.45	7.46	7.43	7.43	8.50 9.25

	Drums				
Sales		100		100	
Receipts	382	345	942	103	563
Shipments	7		1,191		1,719
Stocks	14,668	15,016	14,767	14,875	13,724

Gum Turpentine

	Savannah Exchange — Bulk — Mon.	Tues.	Wed.	Thurs.	Fri.	New York (rec. dms.) tanks l.c.l. f.o.b. ex N.Y. wire, (7 lbs.) Friday
Per gal	.37	.36¾	.36¼	.37	.37¼	.44½ .34¼
Sales, bbls.	...	160	...	...	120	
Receipts, bbls.	9	64	221	62	2,815	
Shipments, bbls.	124	89	274	286	2,682	
Stocks, bbls.	9,470	9,445	9,402	9,166	9,299	

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Gypsum Statistics for 1947 Reported by Mines Bureau

Production, imports and value of sales of gypsum all established record highs in 1947, according to the Bureau of Mines. Compared with 1946, mine output rose 10 percent, imports were 48 percent higher, and value of sales increased 32 percent. Statistics of the gypsum industry in 1947, as compared with 1946, were reported by the bureau as follows:—

	1947	1946
Crude gypsum*—		
Mined, short tons	6,208,216	5,629,398
Imported, short tons	2,157,049	1,457,140
Apparent supply, short tons	8,365,265	7,086,538
Calcined gypsum produced†—		
Short tons	5,010,918	4,169,662
Value	$38,700,818	$29,272,960
Gypsum products sold†—		
Uncalcined uses—		
Short tons	1,950,181	1,641,279
Value	$7,012,106	$5,105,789
Industrial uses—		
Short tons	207,226	207,178
Value	$3,463,775	$3,160,988
Building uses—		
Value	$117,705,790	$88,927,786
Total value	$128,181,671	$97,194,653
Gypsum and gypsum products—		
Imported for consumption	2,521,740	1,833,088
Exported	1,600,578	1,065,248

*Excludes byproduct gypsum.
†Made from domestic, imported and byproduct crude gypsum.

Bids Wanted

Acetone, technical, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 103, September 10; 10,000 gallons, invitation 102, September 10; 15,000 gallons, invitation 101, September 10; 12,500 gallons, invitation 100, September 10.

Adhesive, water-resistant, 21,153 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 84, September 2; 915 gallons, Army Signal Corps (Philadelphia 45) invitation 514, September 20.

Alcohol, 30,600 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2462, September 7.

Aluminum oxide, grit, 57,600 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2469, September 7.

Aluminum sulphate, City of Cleveland, ordinance No. 1604-48, September 3.

Carbon remover, 2,655 gallons, U. S. Air Force (Brookley Base, Mobile, Ala.) specification 20338, invitation 8, September 7; 39,830 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2428, September 1.

Chemicals and reagents, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 219, September 6.

Cornstarch, 100,032 pounds, Quartermaster Purchasing Office (Chicago 9) invitation 154, August 31.

DDT, grade B, 8,000 pounds, Army Corps of Engineers (Vicksburg, Miss.) invitation 42, September 1; 10% powder, 150 pounds, and insecticide, 100 pounds, Federal Security Agency (Washington 25, D. C.) invitation 3149-9-2-48, September 2; larvicide, 16,300 pounds, Quartermaster Purchasing Office (New York 3) invitation 133, September 3.

Diatomaceous earth, 234,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 173, September 7.

Dishwashing compound, 540,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 174, September 8.

Embedding compound, 1,500 pounds, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 218, September 6.

Engine oil, preservative, 40,550 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 42, September 7; 38,500 gallons, invitation 63, September 7; 44,000 gallons, invitation 64, September 7; 45,000 gallons, invitation 65, September 7.

Ether, absolute, 1,200 pounds, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 219, September 6; anesthesia, non-flammable, 7,200 pounds, invitation 234, September 13.

Ethylene glycol, 5,920 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2449, September 1.

Floor wax, paste, 8,960 pounds, Bureau of Federal Supply (Washington 25) invitation 5G-66844-R, August 31.

Fuel oil, 150,000 gallons, Army Ordnance Department (Milan, Tenn.) invitation 4, September 7.

Grease cleaning compound, 2,120 gallons, U. S. Air Force (McClellan Base, California) invitation 17, September 3; 15,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 99, September 9; 20,000 gallons, invitation 98, September 9; 82,500 gallons, invitation 97, September 9; 82,500 gallons, invitation 96, September 9.

Laundry starch, 444,750 pounds, Quartermaster Purchasing Office (New York 3) invitation 183, September 3.

Lubricating grease, 6,786 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2568, September 10.

Milk of magnesia, 1,000 gallons, Federal Security Agency (Washington 25) invitation 3156-9-3-48, September 3.

Milk powder, type I, 140,000 pounds, Quartermaster Purchasing Office (Chicago 9) invitation 143, September 1.

Naphthalene, technical, flake, 560,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 157, September 3.

Oxygen and acetylene, as required from October 1, 1948, through June 30, 1949, Army Quartermaster (Baltimore 2, Md.) invitation 4, September 2.

Paint, enamel, 200 gallons, Army Corps of Engineers (Louisville 3, Ky.) invitation 25, September 9; 15,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 56, September 15; 10,000 gallons, invitation 57, September 13; 11,000 gallons, invitation 59, September 16; 10,000 gallons, invitation 60, September 16; 2,500 gallons, invitation 83, September 14; 9,000 gallons, invitation 45, September 14; 18,000 gallons, invitation 58, September 16; 11,000 gallons, invitation 54, September 15; 10,000 gallons, invitation 55, September 15; 25,000 gallons, invitation 21, September 13; 25,000 gallons, invitation 30, September 13; **various,** 2,200 gallons, Army Corps of Engineers (Louisville, Ky.) invitation 25, September 9; 550 gallons, Army Corps of Engineers (Seattle, Wash.) invitation 10, September 1; 630 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 48, September 15; 25,000 gallons, invitation 49, September 14; 1,500 gallons, invitation 50, September 14; 25,000 gallons, invitation 51, September 14; Army Ordnance Department (Frankford Arsenal, Philadelphia 37) invitation 43, September 7; 4,945 gallons, Bureau of Federal Supply (Washington 25) invitation 5J-37396-R, August 31.

Perchlorethylene, 81,566 gallons, Quartermaster Purchasing Office (New York 3) invitation 156, September 7.

Photo developer, 8,500 gallons, Army Map Service (Washington 16, D. C.) invitation 6, August 31.

Pigments, in oil, 3,750 pounds, Army Corps of Engineers (Louisville 3, Ky.) invitation 25, September 9.

Rust preventive, 38,500 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 89, September 8; 44,000 gallons, invitation 87, September 8; 85,000 gallons, invitation 66, September 8; 90,000 gallons, invitation 67, September 8.

Salt, industrial rock or solar, 196,840 long tons, Quartermaster Purchasing Office (New York 3) invitation 171, September 2.

Soap, laundry, 532,000 pounds, various deliveries, Quartermaster Purchasing Office (New York 3) invitation 159, September 3; 10,000 pounds, Quartermaster Purchasing Office (Richmond 12, Va.) invitation 5, September 1.

Tablets, sodium bicarbonate, sodium salicylate, thyroid, thiamine hydrochloride, Federal Security Agency (Washington 25) invitation 3156-9-3-48, September 3.

Triethanolamine, 3,600 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 2454, September 1.

Trisodium phosphate, 2,381,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 163, September 8.

Varnish, insulating, 2,050 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 47, September 15.

Weed killer, Army Ordnance Department (Savanna, Ill.) invitation 7, September 9.

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Oil and Colour Chemists Reelect Jordan President

Dr. L. A. Jordan, director of the paint research station, was reelected president of the Oil and Colour Chemists' Association at its annual general meeting held recently in London.

Other officers elected were vice-presidents, D. L. Annand, G. F. Holdcroft, W. P. Jenkins, R. J. Ledwith and A. R. Penfold; secretary, Rupert law; treasurer, G. W. Read-Baker; editor, R. F. Bowles; programmes officer, H. Gosling; research and development officer, Dr. E. Sunderland, and auditor, W. Garvie.

Elected to the association's council were C. B. Beaumont, Dr. R. H. Leach, W. V. Lee, Dr. H. G. Raines, Dr. H. Samuels and Dr. F. W. Stoyle.

The principal order of business at the meeting was a lengthy discussion on a plan, which was eventually adopted, to increase the annual dues from one to two guineas. The plan was sponsored by the secretary and treasurer who pointed out that there was a deficit last year of 464 pounds and that they anticipated this year a further deficit of "something over 800 pounds."

Members opposing the idea suggested that every effort be made to cut down expenses and a policy of elimination of unnecessary expenditure introduced. Opponents also added that some of the members had had experience with other associations where an increase of dues had merely been an excuse for allowing a lot of unnecessary expenditure to be incurred.

Naval Stores: Apr.-June

Production of gum and wood turpentine in the United States in the April-June quarter totaled 183,240 barrels, compared with 176,089 barrels in the corresponding 1947 quarter. Stocks at the end of the quarter were 200,990 barrels, as opposed to 147,693 barrels.

Production of gum and wood rosin in the quarter totaled 566,300 drums, compared with 537,335 drums in the 1947 quarter. Stocks this year at June 30 were 401,170 drums, compared with 243,036 drums at the close of June, last year.

Details of naval stores supply, demand and stocks in the April-June quarter this year are as follows:—

Supply and Distribution

	Turpentine Barrels (50 gals.)	Rosin Drums (520 lbs.)
Carryover, April 1	195,350	277,980
Production	183,240	566,300
Supply	331,948	845,159
Carryover, June 30	200,990	401,170
Apparent consumption	161,511	336,839
Production		
Gum	104,000	271,800
Wood	79,240	*294,500
Steam-distilled	50,510	.....
Destructive-distilled	550	.....
Sulphate	28,180	.....
Consumption by Industries		
Abattoirs	.....	73
Adhesives and plastics	48	5,073
Asphaltic products	118	240
Automobiles and wagons	18	54
Chemicals and pharmaceuticals	21,934	†89,636
Ester gums and synthetic resins	4,402	61,602
Foundries and foundry supplies	134	1,567
Furniture	47	1
Insecticides and disinfectants	4	624
Linoleum and floorcovering	.....	10,807
Matches	.....	95
Oils and greases	21	3,891
Paint, varnish, and lacquer	3,647	31,154
Paper and paper size	.....	93,504
Printing ink	37	1,577
Railroads and shipyards	1,275	782
Rubber	87	4,387
Shoe polish and shoe materials	803	929
Soap	.....	23,443
Other industries	30	942
Total industrial reported	32,710	330,355
Carryover Locations		
Production points	87,350	242,590
Gum stills	34,010	163,670
Wood plants	53,340	73,920
Southern concentration points	48,460	14,410
Industrial plants	21,040	130,000
Distribution points	43,640	14,170
Central	20,440	6,330
Eastern	18,170	7,170
Western	5,030	620

Miscellaneous Production

	Barrels (50 gals.)
Dipentine	7,210
Pine oil	38,190
Pinetar	23,890
Rosin oil	4,030
Other monocyclic hydrocarbons	11,000

* Total primary production of FF wood rosin. Stocks exclude by-products, such as "B wood resin," produced in refining FF wood rosin to paler grades.

† Includes, as rosin consumed, the "B wood resin" produced in refining FF wood rosin to paler grades. No data are reported on the consumption of "B wood resin" as such.

Monsanto Shifts Roberts From Mass. to Los Angeles

The transfer of William F. Roberts from Springfield, Mass., to Los Angeles, Calif., was announced Wednesday by Harry P. Banks, general manager of the western division of Monsanto Chemical Company, St. Louis.

Mr. Roberts will assume his new duties in Los Angeles as branch manager in charge of plastics on or about September 15. He has served with the plastics division since 1925.

Pitts. Glass Promotes Two in Paint Division

Appointment of Richard T. Ubben as technical director and Elmer H. Koll as assistant technical director of Pittsburgh Plate Glass Company's Milwaukee paint division has been announced by Dr. W. W. Bauer, technical director of the firm's paint operations.

Mr. Ubben, who succeeds Dr. Bauer in the Milwaukee position, had been associated in technical capacities with the Du Pont experimental station, Forbes Varnish Company and Armstrong Paint & Varnish Company prior to joining Pittsburgh Plate's Newark paint division as technical director in 1942.

Mr. Koll joined the Milwaukee paint division upon graduation in 1928 from the University of Wisconsin with a degree in chemical engineering. As assistant technical director, he will continue to supervise the industrial development and service work which he has handled during the past seven years.

Calco Pigment Department Moves Los Angeles Office

Leo Sklarz sales manager of the pigment department of the Calco Chemical Division of American Cyanamid Company, Bound Brook, N. J., announced last week that the Los Angeles offices had been moved to 2472 East 8 Street, Los Angeles 21. Manager of the office is H. L. Oak.

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Shellac, Gums Imports Reported for 1947

Imports of lac, shellac, and natural gums and rosins into the United States in 1947 were reported last week by the bureau of the census of the Department of Commerce. The statistics are listed as follows:—

	Pounds	Value
Gum, copal	13,066,537	$1,720,164
Belgian Congo	8,235,138	918,960
Philippine Republic	1,935,002	387,954
Netherlands Indies	1,846,329	340,638
Australia	495,233	11,022
British Malaya	544,640	60,277
British East Africa	7,850	1,297
Siam	155	46
Gold Coast	2,210	240
	8,678,495	1,185,077
Dammar	7,035,397	885,056
British Malaya	1,311,731	243,719
Netherlands Indies	264,147	53,104
Siam	67,200	3,198
China	382,436	74,464
Kauri	349,004	66,627
New Zealand	33,432	7,837
India	219,941	38,611
Other varnish gums	138,601	27,010
Philippine Republic	22,344	5,973
India	55,996	5,628
Siam	2,645	1,111
Shellac, bleached—Sweden	21,633,148	10,545,152
Unbleached	19,756,693	9,801,989
India	1,798,413	704,142
Siam	67,054	35,175
Canada	10,988	3,846
China		
Lac, crude, seed, button and stick	19,226,410	6,943,749
India	18,334,611	6,781,225
Siam	727,799	155,472
United Kingdom	164,000	7,052

U.S. Barite Output Sets Record in 1947

The United States continued to lead the world in barite production and established a record in 1947 of 884,219 short tons, according to reports of producers to the Bureau of Mines. Primary barite sold or used by producers totaled 834,082 short tons valued at $6,171,342. The average value of primary barite sold or used increased 16c. per ton to $7.40. Imports of crude were up to 53,222 short tons, a 19 percent increase. Barite sold or used plus imports (apparent new supply) was 887,304 short tons, 94 percent of which was from domestic sources.

The chief use of barite in 1947 was in oil-well drilling, with lithopone second, chemicals third, fillers fourth, and glass fifth. The distribution and consumption of barite in short tons in the United States during 1947 was reported as follows (1946 figures in parentheses):—

For well drilling, 467,350 (373,610); for lithopone, 167,321 (154,166); for chemicals, 107,267 (102,439); for glass, 33,641 (29,181); for paint filler 29,000 (26,000); for rubber filler, 17,000 (20,000), and for other purposes, including grinding losses, 14,239 (17,677). The figures include both foreign and domestic barite.

Geological Survey Maps Released in July Listed

Director W. E. Wrather of the Geological Survey announced that the following preliminary maps and reports were released by the Survey during the month of July, 1948:—

Oil and gas—Preliminary Map 91 of the Oil and Gas Investigations series, entitled "Geology of the Boysen Area, Central Wyoming," by H. A. Tourtelot and R. M. Thompson, is available from the Geological Survey, Washington 25, D. C., for $1, and also is available for "over-the-counter" sale (not by mail) at survey offices at 305 Federal building, Casper, Wyo.; 230 New Customhouse, Denver, Colo.; 234 Federal building, Tulsa, Okla., and 315 Federal building, Billings, Mont.

Lead-zinc—Preliminary Map 3-221 of the Strategic Minerals Investigations series, entitled "Geologic Structure Map of the Potosi Lead-Zinc area, Grant County, Wisconsin," by A. V. Heyl, jr., E. J. Lyons, and A. E. Agnew, has been released and copies may be obtained by persons directly interested in the area upon application to the Survey.

Geologic map index—"Geologic map index of Kansas," compiled by Leona Boardman and Annabel Brown, is available from the survey for 30 cents, and also is available for "over-the-counter sale (not by mail) at Geological Survey offices at 230 New Customhouse, Denver, Colo., and 234 Federal building, Tulsa, Okla.

Royal Dutch 1947 Crude Oil Output 3,158,710,000 Bbls.

According to the annual report of the Royal Dutch Oil Company for 1947, its production of crude oil, including natural gasoline, amounted to 3,158,710,000 barrels (430,455,000 metric tons), against 2,866,240,000 barrels (390,751,000 metric tons) in 1946.

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Isopropyl	Ethyl Acetate	Diacetone
Butyl	Isopropyl Acetate	Methyl Ethyl Ketone
Amyl	Amyl Acetate	Methyl Isobutyl Ketone

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Oils, Fats and Waxes

Trading in oils and fats continued light and spasmodic chiefly for prompt delivery last week. Supplies for spot and prompt shipment were limited and were firmly held. Coconut and soybean oils scored fractional advances for prompt positions and lifted the index to 205.6, compared with 215.1 a month ago and 165.4 a year ago.

Coconut oil was in tight supply condition for spot shipment from the Pacific coast and reflected the steadiness of copra, while futures were offered from 4 to 5 cents below prompt delivery. Soybean oil also became stronger for spot shipment and sales were transacted at an increase of 1 cent. Futures were easier with October-December off fractionally. Withdrawal of several sellers from the tung oil market strengthened prices and trading took place at slightly higher levels. The trade awaited with interest further developments in the enforcement of a floor price for tung oil by the Chinese government.

Linseed oil situation became confused by the further decline of linseed meal which resulted in crushers withdrawing from the flaxseed market and shutting down trading at western markets. This action brought CCC into the market and trading in flaxseed was resumed for government account at the support price of $6 per bushel. Some crushers increased the price of linseed oil 1 cent per pound, while others awaited further developments in the situation.

Consuming interest in tallow and grease was inactive and prices were unchanged and fairly steady. Some export business was reported in tallow, with exporters showing more interest in the lower grades than for fancy.

Cottonseed Oil

Trading in bleachable cottonseed oil futures was mixed last week but the market scored moderate gains on the rallies, which were maintained. Volume of sales also showed further improvement. Market reflected the strength in crude oil for prompt shipment. Demand for September and December was quite heavy, said to be new buying. Switching operations were more active with September switched to May and July at 290 points, September to October 240 points and May to July even and at 5 points.

Crude cottonseed oil remained steady for prompt shipment and August shipment was held at 23½c. per pound tankcars, f.o.b. mills following sales earlier at 23c. September shipment was sold at 20c. per pound and October 16½c. October-December delivery was easier with trading reported at 16c. and also bid.

Memphis—Crude cottonseed oil was sold at 23c. per pound, tankcars, f.o.b. mills, Valley, August shipment, at 20c. for September and 17c. October, same basis. Crude soybean oil trading at 21½c., tankcars, immediate, and 20c. September, f.o.b. mills. Cottonseed meal quoted at $58 per ton, Memphis, prompt, and $57, September. Cottonseed hulls, $8 per ton, mills, bulk.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended August 27 follow:—

	Sales	Cents per pound High	Low	Close
September	181	21.95	19.85	21.65—21.66S
October	194	18.93	17.56	18.56@18.70
December	329	18.36	17.35	18.22S
January	3	17.95	17.50	18.20@13.85
March	86	18.45	17.00	17.80@17.95
May	60	17.95	17.30	17.80@17.95
July	25	17.85	17.75	17.65@17.85

Total sales—878 tankcars.

Linseed Oil

This situation was upset last week by the withdrawal of crushers from the flaxseed market, stating that they could not operate at a loss by additional purchases of flaxseed at the support price of $6 per bushel, because the price of linseed meal dropped to $60 per ton. This action stopped trading in flaxseed in Minneapolis early in the week. Trading was resumed on Wednesday with operators of terminal elevators buying for the account of CCC. Department of Agriculture announced that CCC will continue to buy flaxseed at the support price delivered Minneapolis and Duluth because of its commitment to producers to support prices.

Prices of raw linseed oil were advanced 1c. per pound, in some quarters, to 28.80c. per pound, tankcars for August-December delivery, while other producers were naming 27.80c. preferring to await further developments. Demand for oil continued confined to withdrawals against contracts. Interest in forward requirements was slow.

Linseed oil, meal and flaxseed were placed on the surplus agricultural products list, it was announced by the Department of Agriculture, August 24. All purchases of these products by Marshall plan countries with dollars made available by ECA will have to be made in the United States.

Uruguyan Government has temporarily reduced the price of linseed oil from 1.05 to .95 pesos per kilogram, (31.2c. to 28.3c. per pound, converted at the special rate of 1.519 pesos to the U. S. dollar applicable to linseed oil exports). This price is to prevail until November 30, 1948 and applies to linseed oil meeting standard specifications. The Bank of the Republic is authorized to advance up to 70 percent of this fixed price against linseed oil held in stock and to buy at this price when intended for export. Linseed oil exports amounted to 13,600 short tons during January-June 1948, compared with 16,500 tons for the same time last year and 30,300 tons for the calendar year of 1947.

Purchases of 100 tankcars of raw linseed oil at 26.70c. per pound, f.o.b. mills, and 25 tankcars at 28½c., same basis, were reported by the Department of Agriculture during August 3-20.

Minneapolis—Demand for linseed oil picked up quite readily as crushers announced a 1c. increase in oil price to 28c. per pound, zone 1, in tanks and then allowed a 24-hour protected buying period. A brisk business was done during this 24-hour period but volume dropped off almost at once as the full price advance became effective for the August-April period. There was some disaffection in the price advance, however, and while most crushers were quoting on a 28c. basis there were a few that did not follow the advance and it was reported that a brisk volume of business was still being done. Shipping instructions on maturing contracts were in excellent volume and crushing operations were heavy.

Shipments of linseed oil, in pounds, were as follows:—

	1947-48	1946-47
This week	9,120,000	4,560,000
Since Sept. 1.	364,574,000	259,340,000

Flaxseed—CCC supported the flaxseed last week, following the withdrawal of crushers from the market, who claimed that the sharp decline of linseed meal quotations, made it unprofitable to purchase seed at the support price.

Minneapolis—The cash flaxseed market was thrown into a turmoil as crushers withdrew completely and refused to purchase seed at the $6 support price demand under their contract with the CCC. A sharp break in meal, which carried the price down to $60 per ton (bulk), was the reason for the withdrawal as the crushers claimed they lost money on each bushel of flax purchased. It took nearly 3 days for the CCC to set up machinery to start purchasing flaxseed but by Wednesday the new buying program was in operation with terminal elevators buying and storing flaxseed for the CCC at a price of $6.01½ for No. 1 seed and $5.96½ on No. 2. Terminal elevator firms were willing to accept the flaxseed on a special bin basis but refused to handle the oil bearing seed if held responsible for the shrinkage in handling. While fear of congestion in the spot market was relieved by the CCC buying program no arrangement had been worked out to absorb sced on a to arrive basis. In the interim crushers are honoring their to arrive purchases, which can extend as long as 90 days on deliveries, and paying the full support price of $6 per bushel. It was estimated that crushers had sufficient seed on hand to run from 2 to 3 months and there was no immediate concern about plants closing down. The first movement of new crop flax was considered poor from the standpoint of quality with much thin and light weight seed received. The oil content of this seed was below normal and first tests indicated that the iodine number was low.

Shipments of flaxseed in bushels were as follows:—

Bushels—	Receipts 1947-48	Receipts 1946-47	Shipments 1947-48	Shipments 1946-47
This week	2,582,300	886,000	204,000	83,300
Since Sept.	1,29,019,200	12,279,800	4,977,000	5,044,100

Market Trends

Prices Advanced

Coconut oil, ½c. per lb.
Soybean oil, 1c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
205.6	204.5	215.1	165.4

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

Other Vegetable Oils

Coconut Oil — Offerings of crude for spot and prompt shipment were scarce and asking prices were increased about ½c. per pound. Crude oil was nominal at 23c. per pound, tankcars, f.o.b. Pacific coast for spot shipment. Trading was light and confined to an occasional tankcar. Sales were reported at 22c. for early September. October was quoted at 19c. and November-December at 17½c., same basis.

Copra—Trading was reported at $250 per short tons, c.i.f. Pacific coast September shipment early in the week and later at $230 per long ton, f.o.b. Philippines for September - October. Market on the Pacific coast was quoted nominally at $240 per short ton, c.i.f.

Philippine copra exports in July totaled 38,013 long tons, the smallest total in almost a year, according to the American Embassy in Manila. June shipments were revised upward to 53,488 tons. Total exports for the seven months ending July were 396,745 tons, compared with 521,847 tons, during the same time last year, a decline of 24 percent. Copra exports from the Netherlands Indies totaled 24,868 long tons, in July, compared with 10,862 tons for the same month last year. Total exports for first six month in 1948 (January-June) were 103,449 long tons, against 150,227 tons for the entire year of 1947.

Corn—Scarcity of oil for spot shipment kept this market firm. Crude oil was quoted at 25c. per pound, tankcars, f.o.b. mills, spot shipment. Offerings for prompt also were light. Trading was slow. Refined oil was merely nominal at 28½c. per pound, tankcars, mills for prompt shipment.

Oiticica—This market remained inactive and quotations were entirely nominal. Offers for shipment attracted little attention. Prompt and forward shipments were quoted nominally at 17½c. per pound, tankcars or drums, carlots New York basis, with intimations that firm bids could shade this level.

Olive Oil Foots — Buying interest was lacking for spot and forward delivery. Carlots were quoted at 21½c. per pound, tankcars at 23c. to 23½c. in drums as to quantity on spot. Prompt shipments were offered at 17c. per pound tankcars and 18½c. drums, carlots New York delivery, with no takers.

Palm — Market was unchanged and prompt shipment was quoted at 21½c. per pound, tankcars, New York delivery. Demand was quiet.

Peanut—Market was quiet, but steady owing to the scarcity of oil for immediate shipment. Crude oil was sold at 24½c. and 25c. per pound, tankcars, f.o.b. mills immediate shipment. Refined oil was nominal at about 29c. to 30c. tankcars, delivered East.

Rapeseed—Inquiry continued inactive. Refined oil was nominal at 26c. per pound, tankcars, New York delivery.

Soybean—This market was firmer for spot and prompt shipments and prices were boosted ½c. to 1c. per pound, while futures were easier and off ¼c. per pound. Trading was light and spotty. Crude sales were reported at 22½c. per pound, tankcars, August shipment, at 21c. first half September and at 20½c. for straight September. October-December shipments was easier with trading reported at 15¼c. tankcars, and 15½c. was asked. January-June was sold at 15c.

Prices of refined bleachable soybean oil, in tankcars, on the N. Y. Produce Exchange for the week ended August 27 follow:—

	Sales	High	Low	Close
		Cents per pound		
September	..	....	....	20.75N
October	..	....	....	18.25A
December	..	....	....	17.75A
January	..	....	....	17.75A
March	..	....	....	17.75A
May	..	....	....	17.75A
July	..	....	....	17.75A

Sales—None.

Tung — This market was firmer last week. Offerings were materially reduced and sellers advanced quotations to 20½c. per pound, tankcars, New York basis. Some business was reported at 20¼c. on firm bids. Several factors were still out of the market awaiting developments in the enforcement of floor prices by the Chinese government. Arrivals at New York totaled 1,050 tons last week.

Animal Oils

Oleo Oil—Business was slow. Extra was quoted nominally at 25c. per pound, tierces, New York delivery.

Oleo Stearine—This market was dull and featureless and quotations were entirely nominal at 24c. per pound, tierces, New York basis.

Fats and Greases

Lard—Trading was inactive and prices declined with grains. Lard and rendered pork fat stocks in the United States totaled 170,383,000 pounds, August, compared with 181,327,000 pounds, July 1 and 193,736,000 pounds, August 1, 1947. The 5 year average for August 1 is 180,002,000 pounds.

Tallow — Business was reported slow. Offerings were quite liberal. Large consumers were still out of the market.

Fish Oils

Refined Fish—There was little doing in refined grades and the market reflected the easiness of crude oil. Quotations were unchanged and merely nominal. Crude menhaden oil was quoted at 14c. per pound, loose, f.o.b. works.

Los Angeles—Fishing in Northern California waters remains poor. Demand excellent. The U.S. Fish and Wildlife Service reported 3,146 tons were landed this season through August 22, compared with 5,590 tons for the same period last year.

Fatty Acids

Trading in vegetable oil fatty acids lacked snap and was restricted to actual requirements. Quotations were unchanged and fairly steady.

Stearic Acid—Hand to mouth buying continued to rule, in this material. Prices were maintained at former levels.

Cake and Meal

Cottonseed Meal—Slab cake, 41 percent loose, sold in the Valley at $48.50 per ton for September shipment, which is getting fairly close in line to option prices. Biggest demand, however, was confined to the nearby deliveries, and sacked 41 percent meal traded at $57 Alabama for shipment last week, with additional offered at $56.50. Georgia mills have been able to realize $57 on sacked 41 percent for shipment last week and are just about sold up for this delivery. Nearly all Georgia mills will have meal to sell for shipment next week and are discounting at $1 per ton. The best bid on any substantial tonnage is $54, f.o.b. Georgia mills, for September-October deliveries, but thus far no crusher has accepted the price.

Linseed Meal — Demand continued slow and prices were nominal and declined to $60 per ton.

Minneapolis—The break in linseed meal values down to $60 per ton was blamed for the crushers' discomfort on prices but they found little sympathy from buyers who continued to take supplies on a hand-to-mouth basis and made no attempt to come in and cover requirements on the price decline. It was reported that a 15,000 ton export allocation of meal had been made on Wednesday but details were lacking and crushers still were trying to process the business which would relieve the immediate price situation somewhat.

Shipments of linseed meal, in pounds, were as follows:—

	1947-48	1946-47
This week	11,680,000	6,600,000
Since Sept. 1.	175,300,000	92,462,000

Peanut Meal—No change in this market, with crushers just about sold out. Nominal market on sacked 41 percent $60, with 45 percent $65 where available. Fair to good condition prevails for the peanut crop in the Southeast, and harvesting has begun in southern and some central areas; about a normal yield is expected. U. S. peanut meal production for the season through July amounted to 104,000 tons, compared with 112,000 tons the same period a year ago. Stocks on hand July 31 amounted to 4,300 tons, against 2,700 tons a year ago.

Soybean Meal—Old crop was relatively firm at $71 per ton, bulk basis Decatur for spot shipment. There were rumors that some meal was quoted at $50 bulk Decatur for shipment October through September inclusive. However, the general asking price appears to be $53 bulk Decatur for shipment October through March.

Waxes

Beeswax—Business was reported quiet. Crude grades were steady at the recent decline. Refined grades were inactive, and well held. African and Wester Hemisphere crude were quoted at 55c. to 57c. per pound, according to quantity.

Carnauba—Trading continued light and spasmodic, on spot and for replacement at the new floor prices. Most transactions were reported for small lots. Large users were still out of the market. Offers for shipment were quite liberal, and were generally combinations of two grades. Chalky No. 3, was quoted at 81c. to 83c. per pound, on spot, as to quantity and seller; No. 2 North country, 89c.; No. 3, North country, 85c. to 87c. and refined, 90c. to 92c.; yellow, No. 1, $1.19 to $1.22 and No. 2, $1.17 to $1.21.

Ouricury—This market was firm and unchanged. Shipments were maintained at former levels. Crude was quoted at 76c. to 77c. per pound, and refined at 82c. to 84c. per pound, spot, depending upon quantity.

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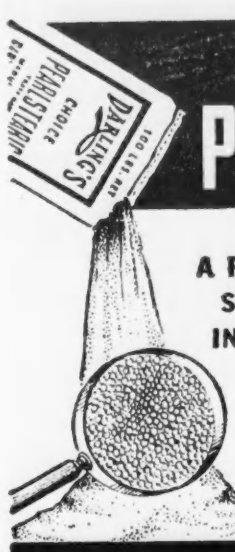

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Margarin Output Larger

Margarin production in June was 34,444,000 pounds larger than for the same month last year, according to statistics compiled by the Bureau of Internal Revenue:—

	June Pounds 1948	1947
Production of uncolored margarin	60,474,398	38,600,227
Withdrawn tax-paid	64,431,408	38,738,189
Used in Uncolored Margarin		
Butter flavor	2,046	156
Citric acid		12
Coconut oil	156,880	204,677
Corn oil	84,808	607,609
Cottonseed flakes		1,660
Cottonseed oil	29,785,105	15,747,317
Derivative of glycerin	109,238	61,356
Diacetyl	353	66
Lecithin	98,825	48,325
Milk	11,716,301	6,509,266
Monostearin	59,936	48,400
Neutral lard	540,940	142,317
Oleo oil	316,875	122,203
Oleo stearin	300,790	269,307
Oleo stock	46,847	31,245
Peanut oil	2,212,473	1,319,682
Salt	2,235,326	1,195,717
Soda, benzoate of	51,937	29,003
Sodium sulpho acetate	6,793	.....
Soybean flakes	95	
Soybean oil	23,116,553	12,899,986
Soybean stearin	100	
Vitamin concentrate	10,670	5,428
Total	70,852,891	39,243,732
Production of colored oleomargarin	6,384,882	2,814,241
Withdrawn tax-paid	4,971,279	1,788,313
Used in Colored Margarin		
Butter flavor	169	43
Coconut oil	68,095	492,402
Color	4,427	1,837
Corn oil		114
Cottonseed oil	2,328,975	662,039
Derivative of glycerin	11,357	4,753
Diacetyl		14
Lecithin	8,128	2,357
Milk	1,058,815	473,057
Monostearin	2,172	1,266
Neutral lard	5,851	2,900
Oleo oil	5,275	12,500
Oleo stock	100	10,600
Peanut oil	197,332	42,706
Salt	206,567	93,326
Soda, benzoate of	3,558	1,464
Soybean oil	2,359,743	1,044,686
Soybean stearin	125	
Vitamin concentrate	1,135	359
Total	6,462,244	2,846,473

Linseed Oil Held Surplus

—*Continued from page 3*

that CCC purchases be made f.o.b. train tracks. Some of the CCC purchasers are said to have been reconsigned to cars moving to the East Coast, presumably for export.

Meanwhile, the Flax Institute of the United States, through its secretary-treasurer, W. M. Gilruth, explained the attitude of the crushers in their withdrawal from the market. The statement read:—

"Linseed crushers withdrew rather abruptly from the government supported $6 flax market at Minneapolis this week as a sharp decline in linseed meal values threw the entire pricing situation out of gear.

"It has been pretty generally accepted by the trade that meal would have to sell at $65 per ton (bulk) to support oil at 26.7 cents per pound and flaxseed at $6 per bushel.

"Fears have been expressed for some time that meal would go the way of all feedstuffs and collapse to lower levels, creating a situation where crushers would be unable to buy and process flax at a reasonable basis.

"As meal dropped to $60 per ton the crushers immediately withdrew from the market, refusing to purchase any more flax until they could find some way to buy and process the oil bearing seed at a proper profit level, not at a guaranteed loss of 15 to 20 cents a bushel.

"Adding to crusher woes in regard to flax was the fact that the first run of the new crop seed was not coming up to par as far as oil content was concerned. Much of the flax from southern Minnesota and Iowa apparently was hit by drouth and adverse weather and much of the seed was of very light weight, dented and otherwise unproductive of good oil content. This decline in oil content was quite a serious matter and crushers were unable to make a go of it with the very thin margin that existed when the new crop movement started.

"Fortunately, when the crushers withdrew from the market the bulk of seed arriving was being applied on to arrive contracts and there was no serious loss in price to the producer or to the merchandiser who merely had to present his tickets to crushers who honored every car purchased.

"The burden of maintaining the support price on flaxseed for 1948 is strictly up to the Commodity Credit Corporation and this agency immediately stepped into the breach with the announcement that it will purchase flaxseed produced in 1948 at a basic price of $6 per bushel for No. 1 flaxseed and $5.95 per bushel for No. 2, delivered track at Minneapolis, Duluth or Superior.

"The flaxseed will be purchased from approved terminal warehouse men at the designated markets at prices to be negotiated by him for placing the flax in f.o.b. position. The program went into effect on Monday, August 23, 1948, and will be continued until further notice. The CCC program does not apply to flaxseed purchased by flaxseed processors as flaxseed can only be handled by them under their present processors agreement with the CCC.

"There was much speculation as to how the government would handle the flax acquired under the support program, rumors from Washington indicating that the government might make arrangements to have the flax crushed under its control or that some subsidy arrangement might be made to resell flax to crushers at a level where crushing operations could be carried on at a profitable basis. That is yet to be decided."

Ethyl Appoints Beatty To New Research Post

Dr. Harold A. Beatty has been appointed to the newly created position of assistant director of research at the Ethyl Corporation research laboratories in Detroit. Dr. Beatty, who has been associated with Ethyl Corporation for seventeen years, will assist the director of research, John B. Macauley, in the over-all guidance of research and technical service activities.

Previous to his new assignment, Dr. Beatty was technical assistant to the general manager at the Ethyl Laboratories. He has been succeeded in that position by Dr. O. Edward Kurt, who has transferred to Detroit from Baton Rouge, La. Dr. Kurt has been associated with Ethyl for twelve years, the past seven as manager of the development section at the antiknock compound manufacturing plant in Baton Rouge.

Trade Briefs

Howard Flint Ink Company, Detroit, is planning to open a $250,000 newspaper and color ink factory in Indianapolis by October 1.

Carbide Alloys Division of Allegheny Ludlum Steel Corporation has developed a sintered carbide alloy especially designed for high speed planer tools.

Martin-Senour Company, paint manufacturer, Chicago, has announced that it will resume publication of its house organ, the "Color Beam," with an edition in October.

Bradford Dyeing Association has named Miss June Evans director of public relations and trade promotion. She was formerly with Scott Williams, manufacturer of hosiery knitting machines.

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Carnauba Wax Crop Financed in Brazil

The Bank of Brazil has been authorized to finance the carnauba wax crops of 1946-47 and 1947-48 on the basis of 80 percent of the prices announced, according to information received last week from the United States Embassy in Rio de Janiero.

The financing of the crops is to be implemented by the agricultural and industrial credit division of the bank on the basis of 80 percent of the following prices:—

Type one, 580 cruzeiros; type two, 560 cruzeiros; type three, 420 cruzeiros; type four, 400 cruzeiros. The prices mentioned cover an arroba (15 kilograms) of wax, duly classified, in bags, shipped and placed at any of the shipping ports of Sao Luiz do Maranhao, and at Parnaiba in the State of Piaui and Fortaleza in the State of Ceara.

Thermoid Plant in Utah In 75 Percent Operation

The large, modern plant of the Thermoid Company at Nephi, Utah, is now approaching 75 percent operation, according to an announcement by president Fred E. Schluter. Industrial belts (conveyor, transmission and V), hose of all kinds, including rotary and wire braid hydraulic, molded products for the oil fields, and fan belts and radiator hose for the automotive trade will be manufactured in this new unit.

This factory represents the fourth manufacturing unit of the Thermoid Company. In addition to the main plant at Trenton, Thermoid operates a large asbestos textile factory at Charlotte, N. C., and a Canadian subsidiary at Welland, Ontario, where more than 90 percent of all hard rubber battery cases used in Canada are produced.

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Cottonseed Products Ass'n Appoints Curtis to Staff

Dr. Lawrence C. Curtis, University of Connecticut agronomist, has joined the staff of the educational service of the National Cottonseed Products Association, Dallas, Tex. As agronomist for the association, Dr. Curtis will cooperate with research institutions on investigations of established and potential oilseed crops for cotton states.

The association has cooperative research projects at Texas research foundation, Renner, Tex.; Texas experiment substation, Chillicothe, and Oklahoma, North Carolina, South Carolina and Louisiana experiment stations.

Oils, Fats Production, Consumption: July

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for July, 1948, as compiled by the Bureau of Census, follow:—

Vegetable Oils

	Pounds — Production	Pounds — Consumption
Babassu, crude	[2]	2,203,000
Refined	[2]	[2]
Castor, No. 1, crude	9,674,000	7,716,000
No. 3, crude	3,366,000	1,603,000
Dehydrated	4,505,000	3,342,000
Sulphonated	[6]	230,000
Chinawood or tung oil	[6]	9,173,000
Coconut, crude	29,945,000	40,259,000
Refined	21,890,000	16,255,000
Corn, crude	15,562,000	17,708,000
Refined	16,111,000	4,982,000
Cottonseed, crude	32,145,000	36,782,000
Refined	35,627,000	46,449,000
Linseed	76,965,000	39,275,000
Olive, edible	[6]	46,000
Inedible	[6]	[2]
Sulphur or olive foots	[2]	[2]
Oiticica	[6]	1,074,000
Palm, crude	[6]	4,242,000
Refined	[2]	[2]
Peanut, crude[1]	6,556,000	14,315,000
Refined	13,413,000	9,759,000
Rapeseed	[6]	296,000
Sesame	[2]	1,762,000
Soybean, crude	122,390,000	91,771,000
Refined	84,003,000	79,934,000
All other	8,229,000	5,462,000

Animal Oils

Lard, rendered (including neutral lard and rendered pork fats)	127,693,000	9,064,000
Neatsfoot oil	178,000	221,000
Tallow, edible	4,380,000	2,565,000
Inedible	84,980,000	72,790,000

Fish and Marine Mammal Oils[3]

Cod	229,000	584,000
Codliver	42,000	572,000
Marine mammal	119,000	2,105,000
Other fish	[4]16,460,000	10,193,000
Other liver	262,000	525,000

Greases

Greases (including garbage and house), other than wool	46,580,000	28,459,000
Wool grease	1,579,000	1,550,000

Secondary Products

Animal fats and oil fatty acids	10,557,000	10,290,000
Animal foots, 100% basis	1,215,000	1,659,000
Fish and marine mammal fatty acids	1,959,000	363,000
Grease and lard oil	3,267,000	2,314,000
Oleo oil	3,474,000	204,000
Red oil or oleic acid	4,566,000	3,978,000
Stearic acid	4,276,000	4,227,000
Foots, from fish and marine mammal oil (100% basis)	[5]	563,000
Stearin, animal, edible	2,326,000	1,209,000
Inedible	1,551,000	1,117,000
Stearin, vegetable oil, winter	3,831,000	4,912,000
Tallow oil	731,000	816,000
Vegetable oil fatty acids from foots and other than from foods including fatty acids from tall oil, palm oil, refuse, etc	7,994,000	5,761,000

Other Products

Glycerin, chemically pure (100% basis)	5,838,000	6,074,000
crude oil (100% basis)	9,519,000	11,137,000
high gravity and yellow tilled (100% basis)	4,573,000	6,953,000
Hydrogenated oils, edible[6]	70,493,000	71,606,000
Inedible	11,073,000	11,713,000
Shortening	79,577,000	404,000
Winterized vegetable oils	27,837,000	.....

[1] Data on production collected by Bureau of Agricultural Economics; stocks held by crude peanut oil producers also reported by Bureau of Agricultural Economics whereas those held at refineries are collected by the Bureau of the Census.
[2] Included in "all other" vegetable oils to avoid disclosure of operation of individual establishments.
[3] Data collected by Fish and Wildlife Service from fish oil producers are preliminary.
[4] Includes 7,708,000 pounds of herring, sardine and pilchard and 8,089,000 pounds of menhaden oil.
[5] Not shown to avoid disclosure of individual operations.
[6] Revised figures in pounds for consumption: January, 22,431,000; February, 19,247,000; March, 22,832,000; April, 17,150,000; May, 18,040,000; stocks: January, 8,958,000; February, 7,724,000; March, 8,148,000; April, 9,078,000; May, 9,559,000.
NOTE: Limitations of the consumption data are given in "Facts for Industry" Series M17-7-06, Animal and Vegetable Fats and Oils, 1942-1946.

Raw Materials Used

	Tons — Consumption	Tons — Stocks July 31
Babassu	[1]	[1]
Castor beans	14,122	17,236
Copra	23,530	25,145
Corn germs	21,003	483
Cottonseed	97,243	93,182
Flaxseed	106,342	171,130
Soybeans	375,917	475,363
Peanuts[2]—		
Farmer's stock[3]	2,538	27,301
No. 2 and oil stock[4]	6,508	4,424
Other	7,590	5,185

[1] Included in other seeds.
[2] Bureau of Agricultural Economics collected the data on consumption and stocks of peanuts.
[3] Weights shown for peanuts in shell.
[4] Weights shown for shelled peanuts.

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33—Vacuum Shelf Dryers with and without accessories. Devine No. 9, 11, 23, and 31A; Buffalo Size C and D; Stokes Model 55-EE and others.

SIFTERS AND SCREENS

109—Sifters and Screens by Orville Simpson (Rotex), J. H. Day (Ro-Ball), Schutz - O'Neill, Gump, Sciectro, Link-Belt, Tyler Hummer, others up to 4'x12'—from single to six screens.

FILTERS

4—Sweetland Filters, No. 2, 5, 7 and 12.

11—Oliver Rotary Vacuum Filters in steel, Nickel, and stainless; 4'x1', 5'2" x6', 5'4"x8', 6'x3', 6'x4', 8'x7', 8'x10', 8'x12', others.

12—Eimco, Feiss, Denver, Portland, Rotary Vacuum Filters, cast iron, steel, cypress up to 8'x14'.

1—Kelly horizontal Filter, 20"x36".

4—Olivite No. 100 cylindrical pressure filters, monel leaves.

3—Niagara and Hercules Pressure Leaf Filters in stainless steel; varying capacities.

40—Filter Presses by Shriver, Sperry, others, from 12" to 42"; new listing.

9—Vacuum Pan Dryers or Crystallizers, Bartlett & Snow and Buffalo. Up to 7'-11" diam. Stainless steel, steel and cast iron.

TABLET PRESSES

Stokes "F," "R," Rotary B2, D, DD2, DD8Z; Colton 3E, 4T, 5½, 10-35, 9-18; Kux No. 64, 65, 74 and others.

1—Readco Stainless Steel 14? gal. Double Arm Mixer; 20 H.P. motor.

50—Heavy Duty Horizontal Jacketed Mixers with double arms, sigma or naben; geared both ends, tilting; 100 gal. working.

40—Double Ribbon Type Dry Mixers in carbon and stainless steel; from 200 lb. to 6,000 lb.

4—Dopp 250 gal. Jacketed Kettles.

1—Struthers Wells 750 gal. Steel Jktd. and Agitated Pressure Vessel.

4—Lancaster Mixers; Stainless Steel; 10 H.P. motors.

3—Bartlett & Snow Stainless Vacuum Pan Dryers; 8'x3'.

10—De Laval and Sharples Vapor Tight Clarifiers.

10—Roller Mills, Lab. size to 16"x40", standard makes.

7—Pebble and Ball Mills, 24"x30", 36"x36", 36"x48", 6'x5' and 6'x8'.

4—Pfaudler Glass Lined Vacuum Kettles; 500 gal.; 2,500 gal. Jktd. or Unjktd.; with agitators.

1—Buffalo Stainless Extractor, single effect, 7'x 13'; 900 sq. ft.; forced circulation; ext. calandria type.

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1—No. 12 SWEETLAND FILTER, 36 leaves, 4" c/c.

1—No. 10 SWEETLAND FILTER, 2" centers.

3—200 gallon Baker Perkins jacketed MIXERS, double sigma blades, hydraulic tilt.

1—8' x 125' ROTARY KILN.

1—6' x 50' Louisville Steam Tube DRYER.

1—Stokes No. 79-80 FILLING, CLOSING and CLIPPING Machine.

14—LABELERS, Rotary automatic, McDonald Straight Line, World and Ermold semi-auto.

10—VACUUM PUMPS, various sizes.

8—CENTRIFUGES, Sharples No. 6, DeLaval No. 620, and No. 600.

2—38" Copper COATING PANS, m.d.

1—No. 4 TH 24" MIKRO PULVERIZER, triple screw feed.

JACKETED KETTLES—Stainless, Aluminum, Cast Iron, Copper, Steel, 125 in stock, sizes 20 gal. to 2,000 gal.

TANKS—Stainless, Nickel, Enamel, Lead Lined, 80 in stock, open and closed, 250 gal. to 800 gal.
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DRYERS—Rotary Vacuum, Rotary Steam Tube, Direct Heat Rotary, Vacuum Shelf, Single and Double Drum, all sizes.

CENTRIFUGALS—20" to 60", Copper and Steel Baskets, suspended and underdriven, 15 in stock.

5—Troy 48" steel basket, 5 HP motors.

HEAVY DUTY MIXERS—Baker Perkins, W&P, jacketed and unjacketed, 9 gal. to 200 gal.

ROLLER MILLS—11 Kent, Day, Ross, 12 x 30", 12 x 32", 16 x 40", and 20 x 48".

FILTERS AND FILTER PRESSES—Shriver, Johnson, Plate and Frame and Recessed, Oliver Rotary, Sweetland Pressure—all sizes and types.

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2—Houchin 4-roll GRANITE MILLS, each roll 18" x 30", belt driven.

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3—Houchin SOAP STRAINERS.

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16—2 Truck Atmospheric Steam Heated Dryers (Ross Engineering), 500 sq. ft. drying surface, aerofin heaters, fans and motors, 10' x 9' x 11' high.
1—No 2 Sweetland Filter 316 Stainless Steel body and leaves.
2—No. 49 Vallez Rotary Pressure Filters, 378 sq. ft.

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1—Day No. 6 CINCINNATUS, 100 gal., SIGMA BLADES.
2—Baker Perkins, Type VI, Class BB, size 14, SIGMA BLADES, 50 gal.
1—Readco 4 gal., S.S., double arm.
35—Powder Mixers, 400, 600, 1,000, 2,000 and 3,000 lb., Motor Driven.
12—Portable Electric Agitators, ¼ to 2 HP, 400 to 1,725 RPM.
10—80 & 100 gal. Lead Mixers, motor driven
4—Rotex Sifters, 20" x 81", 40" x 72", 40" x 120", single and multiple deck.

DRYERS

2—Buflovak VAC. SHELF DRYERS, 20-42" x 42" shelves.
1—Atmos. Drum Dryer 4' x 8'.
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1—BUFLOVAK 32" x 90" ATMOSPHERIC Double Drum Dryer.
2—ROTARY VACUUM, 5' x 30', 2' x 6', 4' x 20', 2½' x 8'.

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1—No. 6 MIKRO ATOMIZER 20 HP.
2—HARDINGE 6' x 22", 3' x 24", Conical Steel-Lined Ball Mills.
1—Eppenbach Colloid Mill, stainless steel, ½ HP.
2—Raymond No. 00, No. 0, Screen Mills.
3—Ball & Jewell No. 0 and No. 1 Rotary Cutters.
1—Abbe No. 3 Eureka Jar Mill, 14 gals.
1—Abbe 10 Jar Mill, 10—¼ gal. jars.
2—NEW 2' x 3', 3' x 4', Porcelain Lined Pebble Mills.

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1—5' Dia. Gayco Air Separator.
1—10,000 lb. Platform Scale—platform 8'x6'.
4—24"x18" (12 cu. ft.) single ribbon and paddle mixers with A.C. motors.
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3—Hardinge Conical Ball Mills, 4½' x 24" & 3' x 8".
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1—No. 12 Sweetland Filter, 71-36" copper leaves on 2" centers, hydraulic opening & closing.
1—Bolzer 42" dia. Monel Bubble Cap Column.
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2—Sperry 18" sq. Lead Filter Presses.
15—Sperry & Shriver, 12", 18", 24", 30", 36" & 42" sq. Iron Filter Presses.
4—Shriver & Independ. Pl. & Fr. Wood Filter Presses, 18" x 24" sq.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 3 & 0.5 gals.
1—Day Jumbo 530 gal. Horiz. Steel Jack. Mixer.
1—Royle No. 2 Perfected Extruder.
2—Abbe No. 18 Bluffer-ess Sifters.
5—Tyler 38" Jr. Hummer Screens, 24" x 60".
1—Tyler Ro-Tap Sifter ½ HP.
9—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge. Also 26" Rubber-Lined.
3—Lehman 3-Roll Water Cooled Steel Mills, 9" x 22", 12" x 36" & 16" x 40".
2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 2/16" dia. Also ⅝", 1", 1½", also single punch.
1—Hutchman 6" Double Screw Plodder.
3—Jones Type E, A & K automatic Soap Presses.
1—Huber 25 ton Para Block Press.
1—Hunchin 12" x 24" 3-Roll Granite Stone Mill.
11—Sharples No. 5A Stainless Oil Centrifuges, late type, 2 H.P.
2—Manton Gaulin Stainless Steel Homogenizers, type 200 & 300.
Davies 800 & 1,000 gal. closed steel Kettles & Stills.
1—250 gal. lead-lined Kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
1—Standard Knapp Can Labeler.
1—Abbe Pebble Mill, 23"x36", 30 gals.
2—Burkhard 28" & 30" Revolving Pans.
10—Stokes Vert. High Vac. Pumps.
3—Durfron 3" x 2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Gruendler 5" x 6" Jaw Crusher.
1—Sharples No. 6 Centrifuge.
1—Somes Jr. Vac. Bottle Filler.
6—Pfaudler Glass-Lined Jack. Agit Kettles, 250, 400, 500 gals.
25—Stainless Tanks, 100 to 3,000 gals.
1—Colton Hand Tube Filler.
6—Filling, Labeling, Cartoning & Wrapping Machines.
10—Stainless steel, jacketed Kettles new & used, 40, 60, 80, 100, 275 & 500 gals., some agitated.
12—Alum. Jack. Kettles, 30 to 100 gals.
18—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
15—Port. Elec. Mixers, ½-2 HP.
1—Abbe 2 Jar Mill, 2 gal. Jars.
1—Abbe No. 0 Rotary Cutter 5 H.P.
1—Williams No. 3 Hammer Mill.
3—Jeffrey & Stedman Hammer Mills 12" x 9", 15" x 8" & 21" x 11".
1—Stedman 22" Single Roll Crusher.
1—Jeffrey 18" x 48" Single Deck Conveyor Screen.
4—Day Pot Mills, 24" x 32" dia.
6—Centrifugals 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
4—Dopp Jack Kettles 10 to 50 gals.
1—Blystone 2,500 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horiz. Mixers, 20 to 250 gal.
6—Lead & Paste Mixers to 500 gals.
1—Feust 150 gal. Jack. Spiral Mixer.
2—Werth 12" x 12" x 12" Vac. Pumps.
2—DeLaval Multi. Chrifiers, 300 & 301.
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WOrth 2-5715

Perfection Paint Appoints Moore Chief Varnish Chemist

The Perfection Paint & Color Company, Indianapolis, has appointed Norman C. Moore chief varnish chemist, to succeed Hans C. Aamot who has returned to his native Norway. The company also announces completion of a new addition to its plant which houses the complete grinding department, laboratory and production office.

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Kent Change Can Mixer, 30 gallons, with motor.

1—Mikro Pulverizer No. 1 SH, Stainless Steel construction, complete.
1—Robinson Stainless Steel Attrition Mill.
1—Shriver Filter Press, 42" x 42".
1—Shriver Filter Press, 36" x 36".
2—J. H. Day Powder Mixers, D8, with motor & reducer.
2—Baker Perkins Stainless Steel Jacketed Mixers, 100 gallons.
2—Stainless Steel Clad Storage Tanks, 7' x 16'6".
5—Simpson Intensive Mixers, No. 0, with Cleveland worm gear reducer.

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1—New Oliver 5'-1" x 8' Cont. Vac. Filter.
1—Alum. Jack. 300 gallon Still or Pan.
2—Vac. Shelf Dryers, Single Door, 40" x 44", and Double Dr., 59" x 78".
1—Truck Dryer, 2 Compartment, 4 Trucks each.
3—Abbe Eng. 30" x 36" and 6' x 8' Lined Pebble Mills.
2—Hardinge Ball Mills, 36" x 8", and 4½' x 24".
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2—Filler Mach., 2 and 4 Piston Fillers.
2—Standard Knapp Can Labelers, Adj. to No. 10's.
3—Rotex Sifters, 20" x 48" and 20" x 84". Stainless Steel & Steel Tanks & Kettles, various capacities.
1—Fitzpatrick Model D Comminuting Machine.

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533 West Broadway
New York 12, N. Y.—GR. 5-6680

Hercules Offers Revised Booklet About 'Parlon'

A revised edition of a technical booklet on "Parlon," Hercules Powder Company's chlorinated rubber, is now available. The edition contains considerable new information on the use of "Parlon" in protective coatings, printing inks, paper coatings, textile finishes, and many other applications. Copies may be obtained by writing the company in Wilmington, Del.

FOR SALE

3—9" x 21" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' bore stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
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1—9,800 gal., non-coiled, horizontal.
1—12,000 gal., tank car tank, coiled.
4—12,000 gal., non-coiled, horizontal.
1—15,000 gal., non-coiled, horizontal.

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6—Stokes 11-shelf vacuum shelf dryers.
3—Stokes 1498 vacuum pumps.
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Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
20—Steam Jacketed Kettles, stainless steel and aluminum, 30 to 250 gals. cap.
1—Dopp 125 gal. Steam Jacketed Kettle with agitator.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 and 24 cu. ft.
4—Steel Tanks, 100,000 gal. each.
4—Steel Tanks, 67,500 gal. each.
Sterilizers 18 x 18 & 24 x 27 with clamp-down covers and safety valves.
1—Sperry Filter 18 x 18—24 plate.
1—DeLaval Lab. Separator with ½ H.P. motor.
1—18-spout Karl Kiefer Rotary Filler.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

2—New Water Tube Boilers, 190 H.P. each with Stokers, Immediate Delivery.
1—36" Stainless Steel Diatomaceous Earth Filter and Slurry Feeder—never used.

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Rare unusual attractive deal! Manufacturer's sales representatives wanted by a concern which since 1932 has been and still is specializing in the manufacture of tablet products exclusively, (U.S.P., N.F., and Private Formula). Under rigid registered pharmaceutical and analytical supervisory control. Exclusive territory available. OPD 893.

Distributors and agents: New emulsifiable solution used for cleaning chemical toilets, septic tanks, cesspools, deodorizing garbage dumps, removal of industrial slimes; degreaser of automotive parts, car and truck chassis, garage floors; metal cleaning, removal of gums, waxes, lacquers, etc. Can also be diluted for household cleaning. State qualifications. OPD 916.

Sales representative wanted for synthetic resins for the following territories: Southeast, New Orleans, Cleveland, Missouri and other Midwest paint centers. Reply OPD 918.

EQUIPMENT OFFERED

Laboratory and pilot plant equipment—American Tool & Machine centrifuges, Sharples No. 6 centrifuge, various kettles and tanks, gas burners 1,000,000 B.T.U. and 500,000 B.T.U., Stills, fractionating columns, Syntron feeder, and control laboratory equipment. OPD 921.

Twenty — 50-gallon chemical stoneware tanks and individual oil baths, all in excellent condition. Also seven new 50-gallon chemical stoneware tanks only. Also 1,500 gallons mineral oil suitable for oil baths. Call VIrginia 9-3200, Mr. Prager.

For quick sale: 13 tanks $150 each, purchased in 1945; 9 ft. 6 in. diameter, 7 ft. high, 2 in. cypress; 7 tanks, $150 each, purchased in 1945; 10 ft. diameter, 5 ft. 6 in. high, 3 in. cedar and fir bottoms, 2 in. cypress stays; 1 brine tank $66. OPD 926.

EQUIPMENT WANTED

Pebble mill, 20 gallon, Burr Stone lined, explosion proof motor. OPD 917.

FOR SALE

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14—Basket type, 12" to 48", stainless, bronze or steel, perf. & imperf.
2—DeLaval No. 600 Oil Purifiers.
9—Sharples, No. 6, No. 16P, No. 18V, No. 1A, etc., some stainless.

COLUMNS—DIST. & RECT.

14—Copper, Bubble Cap and Sieve plate type, 8", 12", 24", 27", 30," 36", 42", 48", 54" & 10' dia.
3—Steel, Bubble Cap, 8' dia. x 69'; 12" dia. x 32'; 8" dia. x 23'.
2—Ceramic, 36" and 32" dia.
3—Aluminum, 6", 24", 30" dia.

FILTERS

12—Presses P & F, 10" to 42", iron, bronze, wood, stainless.
1—Sweetland No. 10.
1—Swenson Rot. Vac., 8' x 8', rub. cov.
1—Oliver Rot. Vac., 8' x 6', stainless.
40—Single plate, multiple disc, pressure leaf filters, and miscellaneous types, various sizes.

STILLS

2—Vacuum, jktd., agit., 100 gal. cap.
1—Copper jktd., 500 gal.
4—Pot Stills, 2,000, 4,000, 8,000 gal.
7—Water, 1 to 250 GPH.

TANKS

28—Wood, 6,000 to 13,000 gal.
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8—Aluminum Bins, 465 cu. ft.
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1—Double Pipe Cooler, 2,240 lin. ft., 3" copper in, 5" steel out.
16—Stainless Kettles, 100 lb. jktd. press, 50, 100, 150, 200, 300 & 500 gal.
10—Ball Mills, Abbe 26" x 12", Abbe 6' x 8', Hardinge 4'6" x 24", Patterson 4' x 5', Hardinge 6' x 22" new.
2—Colloid Mills, 6", stainless.
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9—Ribbon type Dry Mixers, 200 to 3,600 lb.
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7—Duriron Pumps, 90 GPM @ 45'.
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Beckacite P-503, 420 lbs.; ethyl cellulose, 280 lbs.; Nuade, 85 lbs.; cotton solution, 1.028 lbs. ½ sec. N/C solution and 1,200 lbs. 5 sec. N/C solution; Nevillac, No. 10, 100 lbs. All offered at bargain prices. Suntex Inc., 241 Church St., N. Y. C.

MATERIALS WANTED

To manufacturers and jobbers. Are you overstocked? We require immediately large or small lots, many items chemicals, pharmaceuticals, solvents, aromatics, waxes; other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 860.

We buy surplus solvents, sludges, wash thinners, used lacquers, etc. Solvents recovered to specifications for your account also by simple and fractional distillation. Reasonable rates for drum, tank wagon and tank car lots. OPD 928.

Propylene, diethylene glycol wanted in c.l., l.c.l. and tank car lots for spot and continuous deliveries. Large quantities required for balance of this year. Write, wire, call Gra-Bar Industries, Inc., 305 Broadway, New York City. BEekman 3-6124.

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For sale: Wood flour plant in Eastern New York. Railroad siding. Completely equipped. OPD 919.

PLANTS WANTED

Wanted — Complete plants, also machinery — Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets, (3) machinery and equipment, whole or in part. Personnel retained where possible, strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS VACANT

Lacquer plant foreman: New York manufacturer of lacquers-synthetics. Thoroughly experienced. Must be excellent color matcher. State experience in detail. OPD 920.

Chemical trader with good connections wanted by young aggressive export company. Excellent future for right man. OPD 923.

Pharmaceutical chemist — Capable of taking charge of production all pharmaceutical products. Must be able to supervise assay and control laboratory and plant layout, assist in purchasing, cost calculation, label preparation, reports, etc. In reply state age, complete employment record, education, marital status and when services available. Veltex Co., 1811 1st Ave., No., Birmingham, Ala.

POSITIONS WANTED

I have 15 years' experience with industrial chemicals including buying, selling, freight rates and management. Interested in managing going chemical company or starting new one in Midwest or Southwest. Prefer salary and bonus basis to yield $10,000 per year. OPD 915.

POSITIONS WANTED

Chemist, Ph.D., 37, 13 years' responsible or supervisory experience in synthesis (esters, amides, sulfonates, ethers), fat derivatives, emulsifiers, detergents, waxes, plasticizers, alkyd and other resins, varnishes. Publications. OPD 914.

Salesman—paint and wallpaper. Desires to represent manufacturer-distributor, etc. New York City or vicinity. Good educational background. Knowledge of paints and wallpaper. Will also carry allied lines. OPD 922.

Chemist, 35, married, with excellent background in protective coatings, adhesives, rubber, chemical and physical testing, wants responsible laboratory position preferably in formulating industrial finishes. OPD 924.

Marketing research: Young chemist presently employed in sales service and development of industrial adhesives desires change to marketing research. Graduate business study in all phases of marketing and statistics. Experience includes industrial adhesives, printing inks and paper chemistry. OPD 925.

Executive, 15 years' up-to-date experience export import heavy, fine chemicals, pharmaceuticals, naval stores, pigments, desires position with manufacturer. Linguist, capable organizer and administrator. Widely travelled. At present employed at $20,000 per annum. OPD 927.

WANTED

Filter presses, c. i., 36 inches and 42 inches. Open delivery, washing, plate and frame.

Filter press skeletons, 42 inches.

Nitrators, c. i., 250-400 gal., jktd.

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2-450 gal. silex lined
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Nos. 1-SH, 3-TH, and 24"
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Filter Presses
24" Shriver Closed Delivery
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Send for Stock List

LAWLER COMPANY
Durham Ave. & L.V.R.R. Metuchen, N.J.

Cocaine Production Proposed in Bolivia

The American embassy at La Paz has learned from the Bolivian Ministry of Health that two Austrian residents of Argentina have made a proposal to the Bolivian government for the establishment of a plant for the production of cocaine in that city. The Austrians (Victor Gurenwitsh and Eugenio Linno) propose to bear all the expense of the establishment. Reportedly they would bring in machinery and other equipment from a plant in Buenos Aires.

The government has been asked to provide a location and to facilitate the obtaining of raw materials and operating supplies. It is promised a 50 percent share of the profits for its cooperation.

Casler Named Export Manager

Howard E. Casler has been appointed export manager of Chesebrough Manufacturing Company, manufacturers of vaseline products. He had been serving as acting export manager.

Dr.G.T. Cori Wins ACS Garvan Medal

Dr. Gerty T. Cori, professor of biochemistry in the Washington University School of Medicine, St. Louis, and the only woman ever to win the Nobel Prize in medicine, will receive the Francis P. Garvan Medal honoring women in chemistry at the eastern session of the American Chemical Society's 114th national meeting in Washington, D. C., on Monday evening (tonight).

The gold medal will be presented to Dr. Cori by Dr. Charles Allen Thomas, president of the society and executive vice-president of the Monsanto Chemical Company, St. Louis, at a general assembly in the Statler hotel at 8:30.

Dr. Cori, who was cited for her varied and extensive research in biochemistry, particularly for her work on carbohydrate metabolism and enzymatic reactions, will deliver her medal address on "Isolation and Properties of Some Crystalline Enzymes from Muscle" before the society's division of biological chemistry in the Statler tomorrow.

Botanical Drugs

—Continued from page 65

to a strong spot position, based on replacement.

Celery—The spot quotation on Indian seed was raised a fraction to the basis of 24½c. to 25c. per pound. Replacement was offered from the origin at ½c. less. French seed retained its recent strength and was not offered substantially from the primary market.

Colchicum — Spot dealers maintained prices on a basis in line with earlier replacement prices already paid and the latter were substantially higher than the quotations most recently proposed to local agents of shippers at the origin.

Fenugreek—Moroccan seed for shipment held to a steady price position but no substantial expansion in local trade was noted. Indian seed was steadier following the lowering of prices in the previous week; the steadiness governed both spot and future offers.

Flea—According to a report from the American consul general at Hong Kong, in the first five months of this year, 166,995 pounds of fleaseed husks were exported to the United States.

Mustard—All varieties held steady in price but activity was limited. It was interesting to note that a French shipper at Marseille was offering a well-known French variety of mustard seed for shipment to the United States. Until exchange troubles curbed the business, the oriental seed of Montana was sold heavily to France.

Spices

Cassia—Though prices on most varieties were advanced no further last week, the market was fully firm at the levels reached during the previous trading period and signs of an early relaxation of views were lacking. Spice from Yunnan, China, continued to advance and ended last week at 16½c. to 17c. per pound.

Clove—A recent mail report from London stated that the Zanzibar association of clove growers had increased its guaranteed minimum buying prices for the season that began July 1 and that the association also had fixed new selling prices. The price fixed for bulk, ex duty, on the usual contract became as follows: Grade 1, shs. 61.50, 100 pounds; grade 2, shs. 59; grade 3, shs. 56. The association stated that at the time it made the above announcement, it did not propose to make any sales for the time being.

Ginger—Trade was light. Shipment proposals from the primary markets met with mild reception in local quarters where, for the most part, sellers maintained prices at unchanged position.

Paprika—The market was active in a routine way. Interest in Spanish and Portuguese material was very good and sellers indicated that prices for those varieties of this material were favorable. Not a great deal has been done in Hungarian paprika, often times for the reason that the production of capsaicin-free product at least has not been readily available to the United States.

Szeged, Hungary, Aug. 18. The acreage devoted this year to piquant and capsaicin—free paprika was greater than previously. During the cultivation and later growing periods, favorable weather caused the paprika pods to make excellent growth. The quality of the 1948 crop of paprika will be exceptionally high and its exportation will begin in October.

Pepper—For the first time in several weeks, no change was made in prices for black pepper. The market held to 75c. to 75½c. per pound and the same quotation governed spot, nearby, and distant futures.

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Fuel Oils Commercial Standard CS12-40 Revised

The National Bureau of Standards has announced a revision of "Fuel Oils, Commercial Standard CS12-40," the revision to be identified as "Commercial Standard CS12-48." The revision was developed by technical committee E, American Society for Testing Material committee D-2, and endorsed by the standing committee for the commercial standard.

The purpose is to bring the standard into line with current refinery practice and burner construction. The specification covers five grades of fuel oil for various types of fuel oil burner equipment.

The revision was circulated on May 10 by the bureau to producers, distributors, testing laboratories, and users for written acceptance. Since that time acceptances have been received representing a satisfactory majority of production.

Printed copies of "Commercial Standard CS12-48" will be available as soon as practicable. Until that time, momeographed copies may be obtained from the commodity standards division of the bureau, Washington 25, D. C.

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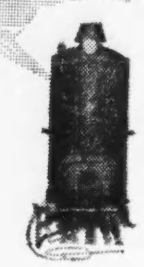

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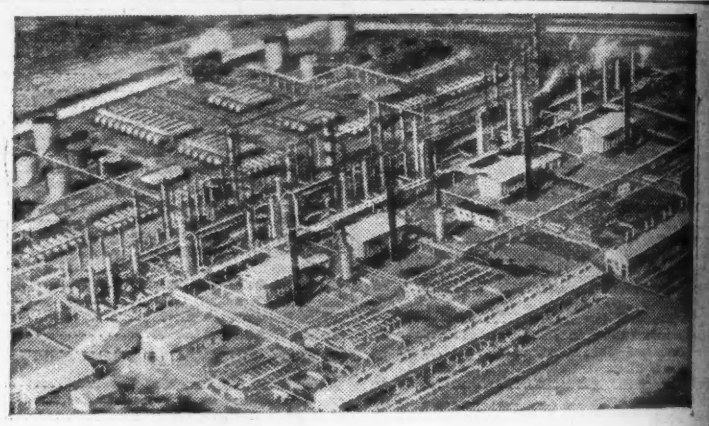

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